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THE CONTRACTOR: LTD "GEO CONSULTANTS"
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Abbreviations

AAL	Waste Management Law
ABS	Acrylonitrile Butadiene Styrene
HDPE	High-Density Polyethylene
CSDD	Road Traffic Safety Directorate
CSB	Central Statistical Bureau
NRT	Natural Resources Tax
NRTL	Natural Resources Tax Law
EU	European Union
EUR	euro
EVA	Acetate, ethylene-Vinyl Acetate
ETFE	Ethylene-Tetrafluoroethylene
EPS	Expanded polystyrene
LEGMC	Latvian Environment, Geology and Meteorology Center
LDPE	Low-Density Polyethylene
milj.	millions
CoM	Cabinet of Ministers
CrR	Cabinet of Ministers regulation
MW	municipal waste
NTAL	End-of Life Vehicles Management Law
ELVs	end-of-life vehicle
PC	Polycarbonate
PET	Polyethylene Terephthalate
PA	Polyamide
POM	Polyoxymethylene
PDMS	Polydimethylsiloxane
PVC	Polyvinyl Chloride
PP	Polypropylene
PS	Polystyrene
PU	Polyurethane
EPR	Extended Producer Responsibility
SA	household waste
SI	Silicone

LS	landfill site
RP	recycling collection point
thous.	thousands
t	tons
V	vehicle
TPU	Thermoplastic Polyurethane
TPE	Thermoplastic Elastomer
SRS	State Revenue Service
HZ	hazardous substances
SES	The State Environmental Service
WPC	Wood-plastic composite

1 INTRODUCTION

1.1 GENERAL INFORMATION ABOUT THE CONTRACT

The report is prepared in accordance with Contract No. S03-2023, „Study on the Composition and Quantity of Plastic Products Offered on the Latvian Market”, concluded between Ltd “Latvijas Zaļais punkts” (the Client) and Ltd “Geo Consultants” (the Contractor).

The objective of the contract is to assess the quantity of plastic products put on the market in Latvia and the quantity of plastic as a raw material present in products and components of the products. It should be noted that within the framework of this research, the use of plastic as raw material in the packaging or textile industries is not studied.

To achieve the goal of the contract, the main tasks to be performed include assessing the consumption of plastics and plastic-containing products, as well as the consumption of plastic as raw material in Latvia. Assessment of the share of various types of plastics in the total consumption of plastic-containing products, assessment of the recyclability potential of existing plastic products, and evaluation of the share of recyclable plastics in the total volume of plastics on the market are the scope of research as well.

Plastic-containing products analyzed include household goods, sports and leisure, construction materials, medical goods, electronic and electrical equipment. The prevalence of various types of plastics was analyzed, and an assessment of recyclability was conducted, including selected sample laboratory testing. Within the scope of the study, the quality of information available for the assessment of the plastics’ circularity was analyzed. As well the availability of information enabling users and recyclers to identify the quantity and type of plastics used in the production of specific products was assessed.

Finally, the regulatory framework and policy instruments that directly or indirectly promote the use of recyclable plastics in various product manufacturing processes as well the collection and separation of used plastic products for recycling were analyzed.

1.2 CHARACTERISTICS OF THE STUDY, METHODS, AND DATA SOURCES

The main focus of this study is the assessment of the circulation of plastic-containing products from a systemic perspective and the evaluation of the recyclability of plastic products in the context of available technologies. In the study, the main aspects related to recycling technological solutions are outlined in general, but the topic is not the primary focus of the research. Instead, the hypothesis is put forward that:

- 1) Regarding the majority of plastic-containing products, users do not have sufficient information for evidence-based decision-making concerning the recyclability of the product after its end-of-life, i.e., to choose environmentally friendly products;
- 2) for the recycler, upon receiving the stream of end-of-life plastic-containing products to be recycled, it is not possible to identify the type of plastic from which the product is made

without laboratory testing. Consequently, the recycler cannot initially determine the recyclability potential of the product and thus cannot plan subsequent actions accordingly.

The study included six groups of plastic-containing products, each undergoing an evaluation of their distribution, the types of plastics used in their production, and their respective recyclability assessment. During the study's development, an additional question emerged regarding the existing policy instruments that would promote the separation of used plastic products from the waste stream destined for landfills and their diversion to recycling. Considering the above, the following product groups were included in the study:

- electrical and electronic equipment;
- construction industry;
- auto industry;
- sports and leisure;
- medical goods;
- household goods.

The initially planned methodological framework envisaged conducting the following sequential study phases, see. figure (Figure 1-1).

Figure 1-1. Work Plan

Number	Work stage	Description of execution
1.	Initial data collection and analysis	As part of the work stage, the available literature and studies carried out so far on plastic products are analyzed.
2.	Compilation and analysis of EU CN data	During the execution of this work stage, based on the European Union's Combined Nomenclature (EU CN) system, which characterizes trade in goods imports and exports, the consumption of plastic products and plastic as raw materials in Latvia will be assessed.
3.	Preparation of the nomenclature of plastic products for analysis	Based on the results of the previous work stage, within the scope of the study, the preparation of a nomenclature of 1000 pieces of plastic products to be tested is carried out.
4.	Analysis of products included in the nomenclature	In collaboration with the client's customers/partners, a total of 1000 plastic products included in the study's product groups are selected and analyzed for detailed research. A description is prepared for each product, including its application, assessment of the specific gravity of plastic components, identification of plastic type, and availability of declaration/certification characterizing the product.

Number	Work stage	Description of execution
5.	Testing of products to be tested in the laboratory	During the execution of this work stage, in addition to the conducted research, testing of the recyclability of the analyzed plastic products is carried out. The test results are used to prepare a summary of the recyclability assessment of the plastic products currently in circulation.
6.	Compilation of results from previous stages	General conclusions and recommendations are prepared regarding the volume of plastic products currently in circulation, recyclability assessment, and the impact on reducing the volume of plastic waste generated.
7.	Preparation of conclusions and recommendations	Proposals are prepared for the further utilization of specific types of plastics in product manufacturing and for the development of processing capacity for certain types of plastics.

The study's execution process and results are detailed in the following chapters of this report. However, it should be noted in the introduction that, during the research, it was necessary to make adjustments to the initial work plan. These adjustments were primarily related to the availability of information and data sources.

1.3 PREPARATION OF THE NOMENCLATURE OF PRODUCTS ANALYZED IN THE STUDY

As mentioned, according to the research task, the study analyzes the recyclability of 1000 plastic-containing products. This includes laboratory testing of 100 products and an assessment of 900 products based on the results of literature analysis.

The initial plan for selecting products to be included in the study and for creating the nomenclature was based on utilizing publicly available official statistical data and classifiers, as well as anonymized data provided by retail and wholesale companies, with to include in the selection those products whose distribution is the widest, thus increasing the likelihood that these products will require recycling the most.

During the study, it was concluded that detailed information was not obtainable using publicly available resources (see subsection 2.1), additionally, the retail companies approached did not agree to provide the necessary information. In this situation, to ensure the progress of the study, a set of criteria devised by the researchers was prepared for the inclusion of plastic-containing products in the sample. The selection criteria are described as follows:

- 1) Product distribution and service life - specifically, how often or in what quantities a particular product is likely to end up as waste. Wider distribution and shorter service life typically indicate more frequent disposal, thus a greater need for recycling;
- 2) Product separability or likelihood of being sorted - this criterion evaluates the probability that the product can be separated for recycling purposes, meaning it can be technically distinguished from other waste streams;

- 3) Value of product separability - whether the benefits justify investing resources in product separation, i.e., if the plastic content of the product is relatively high and the plastic components are detachable and can be recycled;

Based on the data from literature analysis and authors' assessment, for each of the plastic-containing products included in the sample, the type of plastics used in their production, service life, and distribution was identified. In addition, assumptions were made about the technical feasibility of recycling.

2 PLASTIC PRODUCTS CIRCULATION - ASSESSMENT OF THE CURRENT SITUATION

Plastic circulation is an essential component of climate neutrality and the circular economy. The durability, resource, and energy efficiency, as well as recyclability of plastics, promote product circulation and contribute to a climate-neutral society. Plastics also play a key role in a sustainable and climate-neutral future, for example, in electric cars, wind power stations, and energy-efficient homes. Plastic is crucial for delivering sustainable solutions that are valued by society.

The organization “Plastics Europe” in its 2020 report indicates that in 2020, 29.5 million tons of post-consumer plastic waste were collected in the Member States of the European Union (hereinafter – EU).¹ In 2020, compared to 2018, the consumption of recycled plastic increased by 15%. Despite this progress, the rate is still insufficient to achieve the goals of the plastics industry. Currently, only 15% of discarded plastics are recycled into new materials each year.²

In 2020, in the EU Member States, the highest plastic consumption was in the packaging industry (including commercial and industrial packaging), which accounted for 40.5% of the total final consumption of raw plastics. The second largest was the construction industry, which accounted for 20.4%, and the third largest sector was the automotive industry, which accounted for 8.8%.³

The majority of post-consumer plastic waste collected in 2020 originated from packaging usage (61%), followed by the construction sector (6%) and the electronics industry (6%).¹ In 2020, due to the COVID-19 pandemic, there was an increase in plastic consumption in households for packaged goods (such as online shopping, takeout, and food delivery). Industrial and commercial activity slowed down, resulting in a decrease of collected plastic packaging waste from these sectors. Both trends led to a stable increase in the proportion of packaging in the collection of post-consumer plastic waste in 2020 compared to 2018.¹

Since plastic products have divergent lifespans (ranging from 1 to 50 years or longer), the indicators of plastic waste collection after consumption do not correspond to demand or consumption indicators. More than a third was sent to recycling facilities in EU member states or outside them, more than 23% still went to landfills, and more than 40% went to energy recovery facilities. Comparing the data from 2018 to 2020, plastic production has decreased by 10.3%. At the same time, the amount of plastic waste sent for recycling has increased by 8.5%, while the amount sent to landfills has decreased by 4.3%.¹

Assessing available sources of information and previous research results, it can be concluded that studies including the analysis of plastic as a component of products are available/conducted in a very limited scope. In terms of the use of plastic as a raw material and/or the distribution of various types of plastic, the majority of studies have focused on the examination of plastic packaging.

In Latvia, there have been no studies or evaluations conducted to assess the quantity of plastic products. However, in 2020, Gateway&Partners conducted an “Assessment of Specific Restrictions

¹ Plastics Europe, The circular economy for plastics, 2022

² Agora Industry, Europe's missing plastics Taking Stock of EU Plastics Circularity, 2021

³ Plastics Europe, Plastics - the Facts 2021, 2021

and Bans on Plastic Products” aimed at limiting the consumption of single-use plastic products in agreement with the requirements set forth in Directive 2019/904. The assessment included the following types of plastic products: single-use plastic tableware and accessories, single-use shopping bags, packaging, plastic-containing fishing gear, tobacco products with single-use filters, and other items. As a result of the assessment, merchants affected by the requirements, waste management recycling opportunities in Latvia were identified, and proposals for necessary measures to implement the requirements of Directive 2019/904 in Latvia were prepared.

In 2018, the Latvian Waste Management Association conducted a study titled "Determination of the Final Status of Individual Recycled Plastic Products“, aimed at developing criteria for determining the end status of individual plastic waste products.⁴ As a result of the study, criteria for determining the end status of plastic waste were developed, along with guidelines for preparing Cabinet of Ministers requirements for the collection, origin, storage, and processing of plastic waste, allowing the resulting product to be classified as a secondary raw material.

2.1 ASSESSMENT OF THE QUANTITY OF PLASTIC PRODUCTS IN CIRCULATION

2.1.1 Industrial Product Code List 2022

In the development of the study regarding the quantification of plastic-containing products, two initial steps need to be taken – the first of which involves the identification of products containing plastic within the overall flow of goods, i.e., the creation of a nomenclature. As mentioned above, plastic is present in the composition of many everyday products, making the preparation of such a nomenclature complex.

The maintenance of various classifiers in Latvia falls within the competence of the Central Statistical Bureau (hereafter – CSB). CSB ensures the maintenance of national-level classifiers as well as their harmonization with EU-level classifiers. Regarding the preparation/adoption of the nomenclature for plastic products from the classifiers maintained by CSB, the most suitable choice for this purpose was selected as the "Industrial Product Code List 2022" (hereafter - PRODCOM LV 2022).⁵ The description of the classifier indicates that its implementation aim is to ensure uniform coding of information about industrial production in the country. The classification object is the volume of industrial production expressed in both natural and value terms. Accordingly, knowing that PRODCOM LV 2022 incorporates the entire classification of industrial products, it can be assumed that the nomenclature included in the classifier is suitable for the preparation of the classification of plastic and plastic-containing products. Having reviewed the structure of PRODCOM LV 2022, it is concluded that the production of plastic products is classified in subsection 22.2 of the classifier, titled "Manufacture of Plastic Products," which includes four four-digit subheadings:

- 22.21 Manufacture of plastic plates, sheets, tubes and profile (excluding products for electrical installation, electrical insulation;
- 22.22 Manufacture of plastic packing goods;
- 22.23 Manufacture of builders' ware of plastic;

⁴ Latvian Association of Waste Management Companies, Determination of End Status for Specific Recyclable Plastic Products, project No. 1-08/209/2018 izpildei

⁵ CSB <https://www.csp.gov.lv/lv/klasifikacija/prodcom-lv-2022/rupniecibas-produktu-kodu-saraksts-2022>

- 22.29 Manufacture of other plastic products.

From the mentioned four-digit subheadings on plastic products, excluding packaging, the nomenclature corresponds to codes 22.21; 22.23; 22.29. The following categories are included in the six-digit subheadings of the classification system:

- 22.21.10 Monofilament > 1 mm, rods, sticks and profile shapes, of plastics;
- 22.21.21 Artificial guts, of hardened proteins or of cellulosic materials; tubes, pipes and hoses, rigid, of plastics;
- 22.21.29 Other tubes, pipes, hoses and fittings thereof, of plastic;
- 22.21.30 Plates, sheets, film, foil and strip, of plastics, not supported or similarly combined with other materials;
- 22.21.41 Other plates, sheets, film, foil and strip, of plastics, cellular;
- 22.21.42 Other plates, sheets, film, foil and strip, of plastics, non-cellular;
- 22.23.11 Floor, wall or ceiling coverings of plastics, in rolls or in the form of tiles;
- 22.23.12 Baths, wash-basins, lavatory pans and covers, flushing cisterns and similar sanitary ware, of plastics;
- 22.23.13 Reservoirs, tanks, vats and similar containers, capacity > 300 l, of plastics;
- 22.23.14 Doors, windows and frames and thresholds for doors; shutters, blinds and similar articles and parts thereof, of plastics;
- 22.23.19 Builders' ware of plastics n.e.c;
- 22.23.20 Prefabricated buildings of plastics;
- 22.29.10 Apparel and clothing accessories (including gloves), of plastics;
- 22.29.21 Self-adhesive plates, sheets, film, foil, tapes, strip and other flat shapes of plastics, in rolls of width ≤ 20 cm;
- 22.29.22 Other self-adhesive plates, sheets, film, foil, tapes, strip and other flat shapes of plastics;
- 22.29.23 Tableware, kitchenware, other household articles and toilet articles, of plastics
- 22.29.24 Parts n.e.c. for lamps and lighting fitting, illuminated name-plates and the like, of plastics;
- 22.29.25 Office or school supplies of plastics;
- 22.29.26 Fittings for furniture, coachwork or the like, of plastics; statuettes and other ornamental articles, of plastic;
- 22.29.29 Other articles of plastics.

In addition to these codes, the nomenclature includes 87 ten-digit sub-codes. Therefore, as far as product groups related to the construction industry and household goods are concerned, the classification can serve as a basis for further development of the nomenclature. At the same time, it should be noted that automotive industry products, sports and leisure goods, medical supplies, and electrical and electronic equipment are not included in this classification, as they are classified under other subsections of PRODCOM LV 2022, where it is not possible to identify the use of plastics in the manufacturing of these products.

Regarding the use of the PRODCOM LV 2022 nomenclature for assessing the volume of plastic products entering circulation, it must be concluded that the possibilities are limited, as the statistical data available according to this classification only provide information on the volume of industrial

production sold⁶, but this does not allow conclusions to be drawn about product consumption within the territory of Latvia, as it does not include information on export volumes, nor does it account for the volumes of imported products into Latvia.

The most accurate way to determine the volume of plastic-containing products in circulation would be to combine the PRODCOM LV 2022 nomenclature with data characterizing retail or wholesale turnover over a specific period. Unfortunately, statistical records are not maintained in this manner. The available data describe the situation only in 2012 and 2017, and the product nomenclature does not meet the required level of detail⁷. It should also be noted that even if the nomenclature detail were sufficient, the compiled data would not be suitable for analysis, as the volumes are described in monetary terms, which does not allow for conclusions about the amount of plastic in the products sold.

2.1.2 Combined Nomenclature 2023

The statistical accounting that provides an acceptable level of detail, offering insights into both the volume of goods imports and exports, which accordingly allows conclusions to be drawn about consumption on a national level, is the classification system "Combined Nomenclature 2023"⁸ (hereinafter – CN 2023), the authority responsible for maintaining the classifier is the State Revenue Service (hereinafter-SRS). CN 2023 is coherent with the EU Combined Nomenclature system (hereinafter – EU CN), which complies with the requirements of the Common Customs Tariff, as well as the Community's external trade statistics and other Community policies regarding the import or export of goods. The EU CN is based on the international Harmonized Commodity Description and Coding System (hereinafter Harmonized System - HS). The HS is a systematic list of commodity descriptions and codes used worldwide, primarily for international trade and statistical purposes. It has been developed and is maintained by the World Customs Organization.

CN 2023, similar to PRODCOM LV 2022, includes a separate section that encompasses plastic products – Section VII of the classifier, Chapter 39: Plastics and Articles Thereof⁹. Additionally, products containing plastic are also included in other sections of the classifier. For the creation of the nomenclature, these items, which are not included in Chapter 39, have been selected from the database for data compilation¹⁰ the included search functionality.

CN 2023 allows obtaining information about goods imports and exports in terms of mass units, with additional information available for specific items, such as the indicated number of units. Using the CN 2023 classifier, an assessment was made solely on the volume of plastic-containing products in Latvia. Data selection was carried out for the past five years for both import and export indicators. The average import and export indicators were calculated, as well as national consumption was determined as the difference between imports and exports. Data representation was conducted up to the four-digit CN code level, see figure (Figure 2-1).

⁶ SRS, Sale of manufactured industrial products (PRODCOM at 10-digits), (quantity, thousand euro) 2012 - 2022

⁷ SRS, Breakdown of net turnover of retail trade enterprises by groups of commodities (at current prices, thousand euro)2012 - 2017

⁸ CSB, Combined Nomenclature 2023, <https://www.csp.gov.lv/lv/klasifikacija/cn-2023>

⁹ CSB, <https://e.csb.gov.lv/HelpDesk/lv/SubCategory/326>

¹⁰ SRS, Exports and imports by countries (CN at 8-digit level)2005 - 2024

Figure 2-1 The average annual consumption of plastic products in Latvia according to CN 2023 data for the years 2018-2022

KN Code	Description	Tons
3925	Plastic construction products not otherwise specified and included	3147,8
3919	Self-adhesive plastic sheets, panels, films, foils, tapes, strips, and other flat shapes, in rolls or otherwise	2743,9
3924	Plastic tableware and kitchenware, other household items, and hygiene or toilet articles	2721,1
3926	Other plastic products and products made from other materials mentioned in the positions 3901–3914	2429,6
3922	Plastic baths, showers, sinks, bidets, toilet bowls, toilet seats and covers, flushing cisterns, and similar sanitary ware products	1231,6
3405	Footwear, furniture, floor, transportation equipment, glass or metal polishing agents and creams, cleaning pastes and powders, and similar products (including paper, cotton, felt, nonwoven fabrics, porous plastics or porous rubber, impregnated, coated or sprayed with these preparations), excluding waxes mentioned in the position 3404	1064,5
6403	Footwear with outer soles of rubber, plastics, leather, or composite leather and uppers of leather, sports footwear	1053,4
6404	Footwear with outer soles of rubber, plastics, leather, or composite leather and uppers of textile materials; footwear with outer soles of rubber or plastics	937,0
3917	Plastic tubes, pipes, hoses, and their fittings (e.g., connectors, bends, couplings)	916,5
9404	Mattress supports; bedding and similar articles (e.g., mattresses, mattress pads, quilts, eiderdowns, cushions, pouffes, and pillows) with springs or filled with any material or of cellular rubber or plastics, whether or not covered	885,8
6402	Otherwise, footwear with outer soles of rubber or plastics and uppers, sports footwear	789,3
95	Toys, games, and sports requisites; parts and accessories	737,7
9405	Lighting fixtures and lighting fittings, including searchlights and spotlights and parts thereof, not elsewhere specified or included; illuminated signs, illuminated nameplates, and the like having a permanently fixed light source, parts thereof not elsewhere specified	661,6
4202	Suitcases, travel bags, toilet bags, briefcases, portfolios, wallets, school bags, spectacle cases, binocular cases, camera cases, musical instrument cases, gun cases, and similar containers; traveling bags, insulated food or beverage bags, cosmetic bags, backpacks, handbags, shopping bags, pocket wallets, purses, card cases, cigarette cases, tobacco pouches, tool bags, sports bags, bottle carriers, jewel boxes, powder boxes, cases for sharp objects, and similar containers of leather or composition leather, of plastic sheeting, of textile materials, of vulcanized fiber, or of paperboard, or wholly or mainly covered with these materials or with paper	477,5
9403	Other furniture and parts thereof	415,1
3920	Other plastic sheets, panels, films, foils, and strips, non-cellular and not reinforced, laminated, supported, or similarly combined with other materials	319,9
3921	Other plastic sheets, panels, films, foils, and strips	260,4
6401	Waterproof footwear with outer soles of rubber or plastics and uppers, the uppers of which are neither fixed to the sole nor assembled by stitching, riveting, nailing, screwing, plugging, or similar processes	203,9
8546	Insulators of any material	116,7
9018	Medical, surgical, dental, or veterinary instruments and appliances, including scintigraphy apparatus, other electro-medical apparatus, and devices for vision testing	114,8
9606	Buttons, press-fasteners, snap-fasteners, button molds, and other parts of these articles; button blanks	82,9

KN Code	Description	Tons
6702	Artificial flowers, foliage, and fruit and parts thereof; articles made of artificial flowers, foliage, and fruit	72,6
6506	Other headgear, whether or not lined or trimmed, with or without trimmings	61,7
9004	Spectacles, goggles, and the like, corrective, protective, or other	41,9
8547	Solely insulation material electrical insulation fittings for electrical machines, apparatus, or equipment, excluding metal parts for assembly (e.g., threaded sockets), except insulators included in position 8546; ordinary metal electrical insulation conduits coated with insulation material and their fittings	40,1
9620	Single, double, and triple-leg stands and similar products	37,9
6210	Garments made from materials listed in positions 5602, 5603, 5903, 5906, or 5907	25,6
3911	Petroleum resins, coumarone-indene resins, polystyrenes, polysulfides, polysulphones, and other products in primary forms mentioned in note 3 to this chapter and not elsewhere specified or included	15,9
9615	Combs, hair-slides, and similar articles; hairpins, curling pins, hair rollers, and similar articles, excluding those mentioned in position 8516, and their parts	12,8
9612	Typewriter ribbons or similar ribbons, impregnated or otherwise prepared for obtaining impressions, in spools, cartridges, or without them; inked or uninked stamp pads, in boxes or without them	8,5
8532	Block capacitors, variable capacitors, and trimmers	6,2
9003	Frames, mounts, and parts of frames, mounts for spectacles, goggles, or similar articles, and their parts	2,3
5902	High tenacity yarns of nylon or other polyamides, polyester or viscose rayon, for tire cord use	0,9
9021	Orthopedic appliances, including crutches, surgical belts, and bandages; splints and other aids for bone fractures treatment; prosthetic appliances for body parts; hearing aids and other devices worn or implanted in the body to compensate for physical defects or disabilities	0,1
6405	Another footwear	-4,6
6406	Footwear parts (including uppers, attached or unattached soles, other than outer soles); removable insoles, heel cushions, and similar articles; gaiters, leggings, and similar articles, and parts thereof	-14,1
3916	Plastic monofilament with a cross-sectional dimension exceeding 1 mm, rods, sticks, and profiles, whether or not surface-worked or polished but not otherwise worked	-66,6
3918	Plastic floor coverings, including self-adhesive, in rolls or tiles; plastic wall or ceiling coverings, as mentioned in note 9 to this chapter	-597,6
	TOTAL	21637,6

CN 2023 provides information on the main product flows within the consumer goods and construction sector. Using the acquired data, it is possible to gain an understanding of the plastic goods groups that found the largest share. However, these data may not provide sufficiently detailed information about the automotive sector and electrical and electronic equipment. It should be noted that there is uncertainty associated with these data because the calculations are based on import-export balances, which do not allow for the determination of local consumption for product groups manufactured in Latvia. This conclusion is also supported by certain product groups for which the calculated consumption is negative. Such a situation can be explained by developed local production. One of the limitations of the data source is also the exclusion of goods purchased by individuals from abroad through e-commerce websites for personal consumption.

2.1.3 Other sources information

Apart from the discussed statistical data sources, there are potentially several resources available that can be used to assess the total volume of plastic products in circulation. In the automotive industry, the most significant impact on changes in the circulation of plastic products is made by the entry of vehicles into circulation. The database of vehicle registrations and deregistration¹¹ maintains the Road Traffic Safety Directorate. Consequently, by utilizing this data and compiling information on the proportion of various types of plastics in vehicles, it is possible to assess the scale of this segment.

Regarding electrical and electronic equipment, the Extended Producer Responsibility Systems (hereinafter - EPR systems) can serve as a data source report provided by merchants on the volumes of various categories of electrical and electronic equipment placed on the market. The State Environmental Service (hereinafter - SES) monitors the EPR system merchants and their performance. Accordingly, information compiled by the SES on the circulation of electrical and electronic equipment could be utilized for volume assessment. At the same time, it must be concluded that the level of detail at which data on electrical and electronic equipment placed on the market is currently collected is too low. This is in accordance with Cabinet Regulation No. 388¹² these devices are categorized into six groups, which does not allow for sufficiently precise conclusions to be drawn.

Overall, it must be concluded that, in addition to the available data sources, a significant contribution to data validation, particularly from the perspective of the volume of plastics and plastic-containing products in circulation, would be provided by data from wholesale or retail merchants on the volumes of goods sold in specific groups with a detailed nomenclature. During the course of the study, several retail store chains were approached with a request to provide information on the sales volumes of specific plastic products. Unfortunately, to protect trade secrets, the retailers refused to provide such information. Therefore, reliable data on the volume of plastic or plastic-containing products entering circulation is currently unavailable.

2.1.4 Assessment of the quantity of Plastic Products – Summary

During the research process, potential sources of information were identified that could allow for the estimation of the annual volume of plastic-containing products entering circulation. Overall, it must be concluded that the available information is too universal to be used for the purposes of the research. Within the framework of data analysis, the following conclusions were drawn:

- The databases maintained by CSB and SRS contain information that also characterizes the circulation of plastic-containing products; however, the level of detail is insufficient for the execution of the research task and the achievement of the objectives;
- From the examined data sources, the most accurate insight is provided by the "Combined Nomenclature 2023"; however, as mentioned earlier, this source does not provide information on the volumes of plastic-containing products in product groups included in the study, such as: "automotive sector", "electrical and electronic equipment", "medical supplies";

¹¹ Road Traffic Safety Directorate <https://www.csdd.lv/transportlidzekli/registreto-transportlidzeklu-skait>

¹² Cabinet of Ministers regulation No.388 (Riga 08.07.2015) Categories and Marking Requirements for Electrical and Electronic Equipment and Requirements and Procedures for Managing Such Waste Equipment

- The most accurate data regarding the specific plastic-containing products entering circulation would be obtained through partnership with wholesale and retail companies. However, during the course of the study, although initial conceptual agreements for collaboration were reached, the companies declined to provide information;
- An alternative solution for determining the volume of recyclable and disposed plastics would be a detailed analysis of waste flows. However, the precision of this method is affected by the fact that the flow of plastic products reaching waste reflects consumption several years back rather than current consumption, which is necessary for preparing future forecasts regarding the types and volumes of recyclable plastics.

2.2 DETERMINING THE QUANTITY AND TYPE OF PLASTICS IN VARIOUS PRODUCTS.

According to the contract work task, the recyclability assessment needs to be carried out for 1000 plastic and plastic-containing products, out of which the recyclability of 100 products made of plastic is determined by testing in the plastic laboratory. For those plastic products where laboratory analysis will not be conducted, it is necessary to apply other solutions that allow for the identification of the type of plastic used and accordingly assess recyclability. It should be noted that unlike plastic packaging and certain single-use plastic products, there are no specific requirements in regulatory acts regarding the labeling of plastic types for identification purposes.

Analyzing possible methods and data sources that potentially allow for determining the type of plastic and consequently making conclusions about its recyclability without conducting laboratory tests, the following solutions were considered:

- Manufacturer's technical documentation and EU Declaration of Conformity¹³;
- Eco-design requirements¹⁴;
- Product environmental declarations¹⁵.

2.2.1 Technical documentation and EU Declaration of Conformity

According to EU legislation, technical documentation and an EU Declaration of Conformity are required for all goods placed on the EU market, including those imported from third countries outside the EU. According to regulations, the technical documentation should contain information about the product's design, manufacture, and operation, and it must include any detailed information that demonstrates the product's compliance with applicable requirements. When placing a product on the market, the following rules must be observed:

- Technical documentation must be prepared before placing the product on the market;
- Ensure that the technical documentation is available to market surveillance authorities (upon their request) as soon as the product is placed on the market;

¹³ THE EUROPEAN PARLIAMENT AND THE COUNCIL DECISION No. 768/2008/EC (of July 9, 2008) on a common framework for the marketing of products, and repealing Council Decision 93/465/EEC

¹⁴ THE EUROPEAN PARLIAMENT AND OF THE COUNCIL DIRECTIVE 2009/125/EK (of 21 October 2009), establishing a framework for the setting of eco-design requirements for energy-related product

¹⁵ ISO 14025:2006 Environmental labels and declarations — Type III environmental declarations — Principles and procedures

- technical documentation must be kept for 10 years, counting from the date the product is placed on the market (unless otherwise specified.).

Technical documentation is necessary to validate that the product fulfils the essential requirements and is thus used to prepare the EU Declaration of Conformity. The technical documentation must include the following information:

- Manufacturer or authorized representative;
- Brief product description;
- Element for identifying the specific product, such as a serial number;
- Name(s) and address(es) of the entities involved in the design and manufacture of the product;
- Name and address of any notified bodies involved in the assessment of conformity of the product;
- Certificate of conformity issued thereafter;
- EU Declaration of Conformity;
- Label and instructions for use;
- Description of the regulations with which the product complies;
- Technical standards to be taken into account;
- List of components;
- Test results.

The EU Declaration of Conformity is a mandatory document that must be prepared and signed by the manufacturer or authorized representative to certify the compliance of their product with EU requirements. By signing the Declaration of Conformity, the manufacturer or authorized representative assumes full responsibility for the compliance of their product with applicable EU legislation. The EU Declaration of Conformity includes the following information:

- Information about the manufacturer or authorized representative;
- Product serial number, model, or type identification;
- Declaration of full responsibility;
- Product identification elements ensuring traceability (e.g., image);
- Information about the notified body that performed conformity assessment (if applicable);
- Relevant legislation to which the product conforms, as well as any harmonized standards or other elements used to demonstrate compliance;
- Date of declaration issuance;
- Additional information (if any).

Regarding the content of the documentation, it should be noted that specifying the specifications and quantity of materials used in the production of goods is not mandated as a compulsory requirement. Therefore, this information may be included, but it is not definite. Regarding the availability of documentation, the technical documentation essentially serves as the foundation for preparing the EU Declaration of Conformity. Consequently, at the moment when goods are placed on the market, this documentation is not available to either the retailer or the end consumer. The conformity of goods to consistent standards and other mandatory requirements is confirmed by the EU Declaration of Conformity. Competent authorities may request the manufacturer's prepared technical documentation for review.

Within the scope of the study, after random selection and reviewing various manufacturers' or authorized representatives' websites, as well as retailers' websites, it can be concluded that even if documentation is available, it primarily includes the respective product's instructions for use. In the case of electrical and electronic equipment, in some cases, the EU Declaration of Conformity may also be publicly available. More extensive information is available for construction products. However, even in the case of construction products, regarding the use of plastic as a raw material in the respective product, the type of material will only be specified if the product contains only one type of material, such as plastic pipes. Overall, it can be determined that publicly available information does not actually provide details about the composition of products containing plastics.

2.2.2 Eco-design

In addition to the technical documentation and conformity declarations that apply to the entire range of products, additional requirements are set forth under the European Parliament and Council Directive 2009/125/EC. These eco-design standards refer specifically to energy-related products:

- home and industrial lighting devices;
- electrical devices;
- household appliances;
- heating and cooling devices;
- other energy-consuming equipment (e.g., pumps, electric motors).

General requirements for eco-design dictate that a product must be energy-efficient or recyclable. Manufacturers are obligated to provide information about the product's usage and maintenance. Additionally, manufacturers must conduct a life cycle analysis of the product to identify alternative technical solutions and opportunities to reduce the product's environmental impact. The implementation of eco-design principles and the applied procedures are largely similar to obtaining an EU conformity declaration. Meanwhile, regarding the circulation of goods included in the eco-design segment, additional criteria set for product design and operational processes are reflected in the technical documentation. In relation to the criteria for assessing eco-design compliance regarding the use of plastic as a raw material, it's worth noting the criterion included in Directive 2009/125/EC: ensuring "ease for reuse and recycling as expressed through: number of materials and components used, use of standard components, time necessary for disassembly, complexity of tools necessary for disassembly, use of component and material coding standards for the identification of components and materials suitable for reuse and recycling (including marking of plastic parts in accordance with ISO standards), use of easily recyclable materials, easy access to valuable and other recyclable components and materials; easy access to components and materials containing hazardous substances¹⁶. The implementation of such a principle and its reflection in the technical documentation is regarded as a positive contribution to the identification of plastic components and the assessment of recyclability.

At the same time, it should be noted that technical documentation for the product group "products related to energy" is also not available in public resources. Therefore, it is concluded that the opportunities for using such documentation in the study are limited. Hence, possibilities for

¹⁶ EUROPEAN PARLIAMENT AND OF THE COUNCIL DIRECTIVE 2009/125/EC (of 21 October 2009), establishing a framework for the setting of ecodesign requirements for energy-related products

collaboration with competent authorities, which have the right to request such information from the manufacturer or their authorized representative, were considered.

In this regard, informal consultations were held with the Consumer Rights Protection Centre (hereafter – CRPC). CRPC indicated that the institution provides supervision to prevent unsafe or non-compliant goods from entering the market. However, information about the documentation or composition of goods is not collected. In some cases, checks are made for compliance with declarations or testing reports, but these are not accessible to unrelated parties, and these documents typically do not contain detailed information that would allow the identification of the materials present in the goods and their proportions.

2.2.3 Environmental Product Declarations

When conducting an analysis of potential data sources characterizing the types and quantities of plastics used in the production of each individual plastic product, the availability and utilization of Environmental Product Declarations prepared in accordance with ISO standard 14025:2006¹⁷ were also examined. Environmental product declaration prepared in agreement with the mentioned standard and following the methodology of life cycle assessment. It includes information about the product's environmental impact throughout its life cycle, starting from raw material extraction, material and energy consumption during production, to the end of use when the product becomes waste and when waste management is conducted. The document provides precise and comparable information about the respective product's environmental impact, including a detailed inventory of the raw materials used in the product's manufacturing. It should be noted that a type III declaration does not indicate whether the specific product's impact is greater or lesser compared to analogous products. Instead, it directly provides the necessary information, enabling the interested party to make comparisons and draw conclusions about the product's environmental impact.

Regarding environmental product declarations, it can be concluded that they are freely available on manufacturers' websites. For instance, this includes manufacturers of electrical distribution products. "Schneider Electric"¹⁸, where the declarations for the manufacturer's products are available for free access, such as for a product like an electrical power cord extension¹⁹, declaration²⁰, where, amongst other information, the use of raw materials, including plastics, used in production is indicated. Likewise, the declarations are also compiled in databases, such as:

- The Norwegian EPD Foundation²¹ – construction sector, furniture, packaging and accessories, energy, mobility aids, chemicals, marine aquaculture infrastructure and components, steel and steel products not used as building materials;

¹⁷ ISO 14025:2006 Environmental labels and declarations — Type III environmental declarations — Principles and procedures

¹⁸ Schneider Electric <https://www.se.com/lv/lv/about-us/company-profile/>

¹⁹ Schneider Electric <https://www.se.com/lv/lv/product/ST943U1B/unica-pagarin%C4%81t%C4%81js-3viet%C4%ABgs-ar-usb-portu-antrac%C4%ABts/?range=1268-pagarin%C4%81t%C4%81ji&parent-subcategory-id=5620&selectedNodeId=12146867911>

²⁰ Schneider Electric https://download.schneider-electric.com/files?p_enDocType=Environmental+Disclosure&p_Doc_Ref=ENVPEP1803019EN

²¹ <https://www.epd-norge.no/epder/>

- EPD International AB²² – the included categories – construction sector, energy, steam and fuel, chemicals, services, food and beverages, furniture and goods, paper and plastic products, textiles, footwear and clothing, etc.

The conclusion is that these declarations are a reliable and qualitative data source providing precise information. However, limitations in using this resource are associated with the relatively small number of products for which declarations are available. According to regulatory requirements, declarations are not a required part of the documentation package for bringing a product to market; manufacturers develop them at their discretion. Therefore, the number of available declarations is limited. It should also be noted that there is a tendency for certain sectors, such as construction, steel production, and the chemical industry, to offer a wider range of documentation.

2.2.4 Characterization of Plastic Products - Summary

- Evaluation of individual plastic or plastic-containing products - using the manufacturer's technical documentation, conformity declarations, assessment opportunities are significantly limited because existing regulations do not require detailed information on the materials used in the production of the product to be included in the technical documentation.
- Conformity declarations - they do not actually contain technical information that would be useful for evaluating plastic products. Potential contribution could be provided by technical documentation developed in accordance with Directive 2009/125/EC, i.e., eco-design requirements for specific groups of goods.
- During the research, consultations were conducted with plastic product retailers to determine the type of descriptive documentation available to them. As a result of these consultations, it was found that technical documentation, which could potentially provide information about the products, is not available to retailers. Retailers rely on supplied conformity declarations instead. Regarding the availability of documentation, consultations were conducted with the competent authority, i.e., the Consumer Rights Protection Centre (CRPC). However, the CRPC does not have comprehensive information about the products being sold. Technical documentation is requested only in specific cases when there are justified concerns or complaints about the conformity of a product with safety requirements.
- The highest quality source of information, which contains very detailed information regarding the entire life cycle of products, including the raw materials used in production, is the environmental product declarations according to ISO standard 14025:2006. However, the main limitation in using this source is the limited number of developed declarations, as the preparation of declarations is not mandated as a compulsory requirement. Manufacturers often choose not to dispense resources to develop declarations.

2.3 REGULATORY FRAMEWORK FOR THE CIRCULATION OF PLASTIC CONTAINING PRODUCTS INCLUDED IN THE STUDY - GENERAL OVERVIEW

When assessing the current situation regarding the circulation of plastic-containing products, a significant question arises: whether and what instruments are applied, and which regulatory acts

²² [EPD Library | EPD International \(environdec.com\)](https://www.epd.com)

govern the circulation of specific groups of products and promote their recycling. Analyzing the product groups included in the study, it is evident that the situation varies for different groups.

- Household goods, sports, and leisure items: The general approach in the waste management sector aims to gradually increase the volume of reused or recycled waste to reduce its environmental impact. By 2025, the target for reused and recycled household waste is to increase to at least 55% by mass, and by 2030, this goal is set to reach 60%. Household waste, including the waste from the products included in the study such as household goods, sports, and leisure equipment, ends up in the household waste stream after use. Therefore, these streams are subject to the overall household waste recycling target, while no specific requirements or targets are set directly for the recycling of plastic or plastic-containing waste (as is the case for the management of used packaging waste). It's worth noting that for other material streams found in household waste, such as glass and metal (unless it's packaging), there are no specified targets for recycling rates either. As a result, the situation arises where the recycling and reuse targets for household waste can be met without recycling a single ton of plastic-containing waste. Actually, the only type of plastic-containing products included in these groups, for which, according to the Law on the Reduction of Consumption of Products Containing Plastic²³ the additional instrument for improving management is applied – the extended producer responsibility system, is plastic-containing fishing gear²⁴.
- Regarding construction waste, current regulatory requirements mandate that at least 70% by weight of non-hazardous construction and demolition waste must be prepared for reuse, recycling, and other material recovery, including backfilling²⁵. It should be noted that the types of construction and demolition waste included in the calculation of the amount of recovered construction and destruction waste also include plastic waste. However, similar to the household waste stream, no specific targets are set for the recovery of each material stream.
- For the group of plastic-containing products involved in the study under "electrical and electronic equipment," specific requirements are also established for the management of products once they become waste. According to the requirements of Directive 2012/19/EU²⁶ the collection volume for waste electrical and electronic equipment is set at a minimum of 65% of the average weight of the electrical and electronic equipment placed on the market in the three preceding years. Waste electrical and electronic equipment is also subject to extended producer responsibility systems, which require businesses that place these products on the market to ensure their collection, recycling, and recovery²⁷. Indeed, this product group has a specific waste management task assigned to it. However, similar to other product groups, the recycling/recovery rate is a common target for the entire stream.

²³ Law on the Reduction of Consumption of Products Containing Plastic official gazette of the Republic of Latvia "Latvijas Vēstnesis", 107A, 04.06.2021

²⁴ Republic of Latvia Cabinet No. 781 (Riga 13.12.2022.) Regulation on the establishment and application of the extended producer responsibility system for plastic-containing products

²⁵ Republic of Latvia Cabinet No. 712 (Riga 06.10.2021.) Regarding Separate Collection of Waste, Preparation of Waste for Re-use, Recycling of Waste, and Material Recovery

²⁶ THE EUROPEAN PARLIAMENT AND THE COUNCIL of 4 July 2012 DIRECTIVE 2012/19/EU on waste electrical and electronic equipment

²⁷ Republic of Latvia Cabinet Regulation No. 64 (Riga 28.01.2021.) Procedures for Exempting from Payment of the Natural Resources Tax for Goods Harmful to the Environment

- The automotive industry, which includes both vehicle repairs and maintenance as well as end-of-life vehicle management, can be described as an industry where regulatory requirements are comprehensive and set out detailed management requirements. According to the Law on End-of-Life Vehicles Management, economic operators—manufacturers, distributors, insurers, or businesses involved in the collection, dismantling, shredding, recovery, recycling, or other processing of end-of-life vehicles and their components and materials—establish systems for the collection of all end-of-life vehicles, which also ensure, as much as possible, the collection of used parts dismantled during the repair of passenger cars, or participate in such systems. The automotive industry is also subject to extended producer responsibility systems. The automotive industry has established both collection and recycling targets. Moreover, the reporting system in this sector allows for tracking the recycling/recovery rates of various material types. Comparing the amount of plastic used as a raw material in vehicle manufacturing, estimated at around 15-20% of the vehicle's mass, with the recycling rate data shows that plastic recycling accounts for only a few percent of the total mass of plastic-containing components.
- Evaluating the regulatory framework and specific requirements for the management of the “Medical goods” group, it can be concluded that most of the waste generated in this group will fall into one of three main streams: electrical and electronic medical equipment must be managed in accordance with the regulations established for the management of waste electrical and electronic equipment. On the other hand, various types of equipment used in medicine, including single-use auxiliary devices and others used in healthcare facilities, will be classified as medical waste and managed according to the specific requirements established for the management of this waste group²⁸. The third stream includes plastic products in the medical products group that are used in households and are not classified as hazardous waste. These will enter the household waste stream and be managed according to the general waste management regulations.

²⁸ Republic of Latvia Cabinet Regulation No. 353 (Riga 22.05.2012.) Requirements for the Management of Waste Generated in Medical Treatment Institutions

3 TECHNICAL ASPECTS OF PLASTIC RECYCLING

Although the direct assessment of the technical aspects of plastic recycling is not the main focus of this study. In order to draw conclusions about the challenges and possible solutions from a systemic perspective on plastic circulation, this section provides a brief overview of the recyclability of different types of plastics, technological solutions, and aspects unrelated to recycling technology that limit plastic recycling.

3.1 TECHNOLOGICAL SOLUTIONS FOR RECYCLING

The technological solutions for plastic recycling are typically categorized into mechanical and chemical processing methods, which cover the following subcategories:

- Mechanical Recycling:
 - Mechanical Recycling;
 - Solvent-based Recycling;
- Chemical Recycling:
 - Depolymerization;
 - Pyrolysis;
 - Gasification.

Mechanical recycling is the most common method of plastic recycling, involving sorting, cleaning, and processing plastic to manufacture new products. Mechanical recycling is often used for plastics such as PET (polyethylene terephthalate) and HDPE (high-density polyethylene). In the mechanical recycling process, the following main steps must be followed to convert plastic waste into secondary raw material. Firstly, the waste is sorted and classified according to shape, density, size, color, or chemical composition. In the second stage, plastic waste is cleaned of impurities (for example, by washing). Subsequent shredding reduces the size of plastic products into small pieces. Finally, these pieces are processed in a melting and granulation process.

Mechanical recycling technologies are generally considered the preferred recycling method from an environmental perspective. However, these processes have their limitations. A significant constraint is that mechanical recycling can only handle certain homogeneous plastic streams and requires preprocessing. Additionally, mechanically recycled plastics typically undergo degradation during the process, thus they are unable to maintain their quality after one or more recycling cycles. This aspect is particularly problematic for plastics where hygiene and safety standards need to be sustained.²⁹

The chemical recycling method involves breaking down plastic components chemically, and the resulting raw materials can then be used for the production of new plastics or other materials. Chemical recycling is considered a promising technology for addressing challenges with certain types of plastics that are difficult to recycle mechanically.

²⁹ <https://www.makethemostofwaste.co.nz/zero-waste/plastic-waste/>

Chemical recycling complements other plastic recycling options, such as mechanical, solvent-based, and organic recycling. Since it can process complex plastic waste streams, such as films or laminates, chemical recycling can be used for plastic waste that would otherwise be incinerated in waste-to-energy plants or disposed of in landfills.³⁰ Currently, only 15% of the plastic waste collected in the EU returns to the EU plastics market. Chemical recycling can process waste that cannot be mechanically recycled, thus playing a crucial role in tackling the plastic waste management challenge.³¹

3.2 LIMITATIONS IN PLASTIC RECYCLING

Currently, a significant portion of plastic waste is either incinerated for energy generation or disposed of in landfills. One of the main reasons limiting plastic recycling is the lack of effective plastic waste sorting systems, both at the source of generation and in waste preprocessing centers.

As new plastics with improved application properties, such as increased durability, food preservation, etc., are continually being developed, the complexity of polymers increases. This leads to new challenges in collection, sorting, and processing—both for mechanical and chemical recycling, depending on the specific technology. Systems and technologies struggle to adapt to the continuous development of materials and products, while consumers often lack knowledge on how to properly sort plastic waste.

Many products are manufactured in a way that makes it difficult to separate and therefore recycle the plastic content. For example, different types of plastics may be combined or adhered to other materials. Plastic is a complex material, and each type has unique properties that affect its color, shape, structure, and melting temperature. Therefore, a crucial requirement for recycling is to prepare the recyclable plastic streams as uniformly and cleanly as possible.³²

It should also be noted that, even when working with relatively easily recyclable plastic streams, there are a number of challenges to consider. One of them is the "end-of-life" of plastic recycling, meaning that for each type of plastic, there is a limited number of recycling cycles before the material degrades and is no longer usable as secondary raw material.

3.3 CHARACTERISTICS OF PROCESSING OPTIONS FOR INDIVIDUAL TYPES OF PLASTICS

In the upcoming stages of the study, the following classification will be used for evaluating the recyclability of plastic products, dividing plastics into four groups, see: Figure (Figure 3-1).

Figure 3-1 Grading of recyclability of plastic types

Plastic name	Designation	Recyclability assessment
Polyethylene terephthalate	PET	Easily recyclable
High-density polyethylene	HDPE	Easily recyclable
Polyvinyl chloride	PVC	Recyclable, but with difficulty

³⁰ <https://plasticseurope.org/sustainability/circularity/recycling/chemical-recycling/>

³¹ <https://cefic.org/media-corner/newsroom/chemical-recycling-is-essential-for-the-eu-to-achieve-its-circular-economy-goals/>

³² Chemical recycling of plastics cepts in-depth analysis Vasileios Rizos, Patricia Urban, Edoardo Righetti, Amin Kassab June, 2023 - 11

Plastic name	Designation	Recyclability assessment
Low-density polyethylene	LDPE	Possible to recycle
Polypropylene	PP	Easily recyclable
Polystyrene	PS	Recyclable, but with difficulty
Wood plastic composite	WPC	Recyclable, but with difficulty
Acetate	EVA	Not feasible solely chemically, very complex ³³
Ethylene vinyl acetate	EVA	Not feasible solely chemically, very complex
Acrylonitrile butadiene styrene	ABS	Recyclable, but with difficulty
Polycarbonate	PC	Recyclable, but with difficulty
Thermoplastic polyurethane	TPU	Possible to recycle ³⁴
Thermoplastic elastomer	TPE	Possible to recycle ³⁵
Ethylene tetrafluoroethylene	ETFE	Not feasible solely chemically, very complex
Polyamide	PA	Easily recyclable ³⁶
Polyurethane	PU	Possible to recycle ^{37,38}
Expanded polystyrene	EPS	Recyclable, but with difficulty
Polyoxymethylene	POM	Recyclable, but with difficulty
Silicone	SI	Recyclable, but with difficulty
Polydimethylsiloxane	PDMS	Not feasible solely chemically, very complex

³³ <https://doi.org/10.1016/j.polymer.2021.123662>

³⁴ <https://www.sciencedirect.com/science/article/pii/S2238785420303690>

³⁵ <https://www.wastetrade.com/resources/introduction-to-plastics/types-of-plastics/thermoplastic-elastomers-tpe-recycling/>

³⁶ <https://onlinelibrary.wiley.com/doi/full/10.1002/pol.20230154>

³⁷ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7464512/>

³⁸ <https://plasticseurope.org/plastics-explained/a-large-family/polyurethane/#:~:text=Polyurethane%20can%20be%20recycled%20in,down%20into%20its%20chemical%20components.>

4 EVALUATION OF THE RECYCLABILITY OF PLASTIC PRODUCTS - SAMPLE CLASSIFICATION AND RESULTS

The main objective of the study was to assess the volume of plastic products entering circulation, as well as to evaluate and draw conclusions regarding the recyclability of the plastics in circulation. One of the stages involved selecting 900 different plastic or plastic-containing products in the following categories:

- electrical and electronic equipment;
- construction industry;
- auto industry;
- sports and leisure;
- medical goods;
- household goods.

The initially planned selection criterion for creating the nomenclature of plastic products to be included in the study was the prevalence of the specific plastic product, i.e., the average sales volumes over the past three years. The planned sources for obtaining quantitative data were official statistical databases, as well as information provided by wholesale and retail companies regarding the sales volumes of plastic or plastic-containing products (in units or mass measurements). While working on the phase concerning the quantification of plastic product prevalence, it was found that the available statistical data did not provide sufficiently detailed information to identify the distribution volume of individual products. Additionally, the approached representatives from the trade sector declined to provide information (see chapter 2.1). Therefore, a different methodology was developed for creating the nomenclature, based on the following selection criteria proposed by the authors:

- Prevalence and lifespan of the product – specifically, how often or in what volumes the product might end up as waste – greater prevalence and shorter lifespan likely mean more frequent disposal and a higher need for recycling;
- The likelihood of product separation or selective collection – this criterion includes an assessment of how likely it is that the product will reach the point of needing recycling, i.e., it can be technically separated from other waste streams.
- The utility of product separation – whether the benefits are sufficient to justify investing resources in separating the product, i.e., the plastic content of the product is relatively high, and the plastic components can be dismantled and sent for recycling.

These criteria were applied to most of the products included in the nomenclature. At the same time, the list was supplemented with products that do not directly meet the criteria but, subjectively assessed, could be worth analyzing.

The development of the nomenclature resulted in a list of 1000 units of plastic or plastic-containing products (including 100 laboratory-analyzed samples), as seen in Appendix No. 1. The breakdown of products and their quantities per group included in the study can be viewed in the figure (Figure 4-1). In the category of household goods, the highest number of plastic-containing products was selected – 313 products, accounting for 31%. The second-largest category is sports and leisure goods, with 288 products selected, accounting for 29%. The third largest is the construction industry, with 135

products selected, comprising 14% of the total number of products. Following that is the medical goods sector, with 131 products selected, representing 13%, electrical and electronic equipment – with 86 products selected, accounting for 9%, and the auto industry – with the fewest products selected, 47 or 5%.

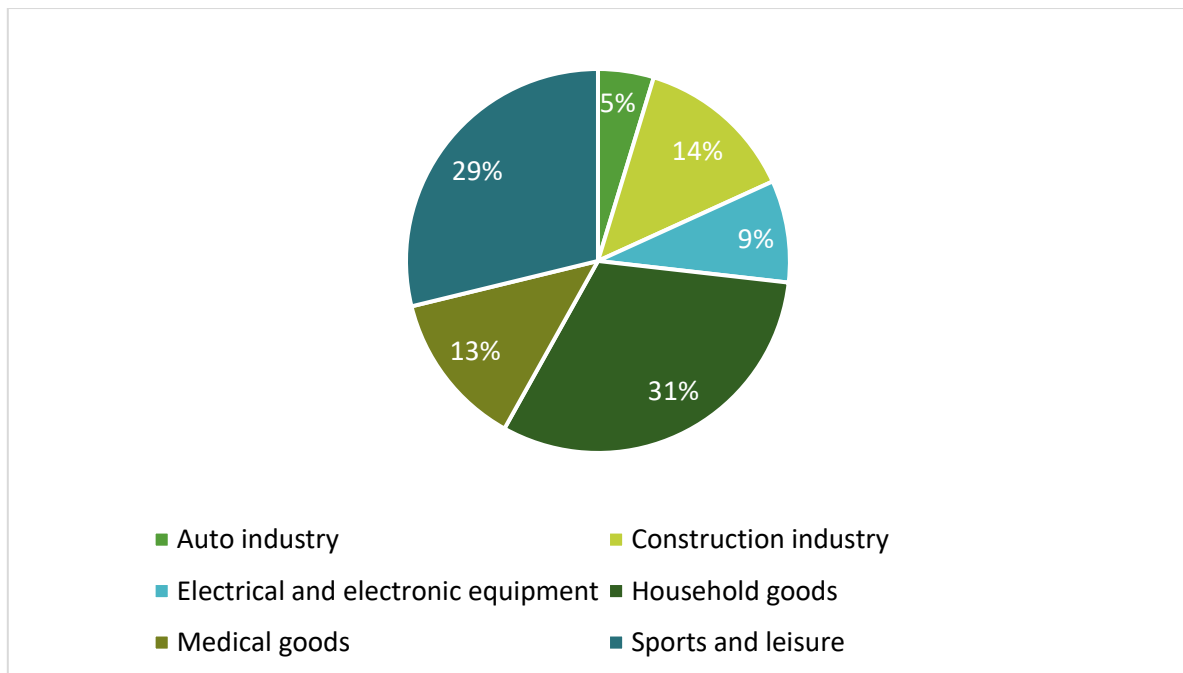


Figure 4-1 The breakdown of products included in the atlas by categories

The evaluation of products was initially planned to be based on information provided by retailers and manufacturers, as well as publicly available sources, including information on the types and quantities of plastics used in the production of various plastic or plastic-containing products. Since during the research development phase it was found that cooperation with companies in the trade sector did not yield the necessary results, or the publicly available documentation describing the products did not contain the required information (see chapter 2.2.), the evaluation of the products included in the selection is based on a series of studies, reviews of the plastics industry sector, publications, and author assessments. Using available information, each plastic product was evaluated based on the following parameters:

- the type/types of plastics used in the production of the product – it should be noted that there are a number of products that are functionally analogous but may be made from different types of plastics;
- the prevalence of the product – in this parameter, the frequency with which the product might be encountered in household use, institutions, or businesses was assessed. The grading was determined in 3 levels – “very often”, “often”, “rarely”;
- product lifespan – in this parameter, the duration for which the product is or will be used before becoming waste was evaluated. The gradation of lifespan varied based on the analysis results but generally ranged from “0-1 years” to “20-30 years”.

Quantity of plastic types used in production – this parameter characterizes the number of plastic types used in the product. It is classified as “mono” meaning only one type of plastic is used in production,

“multi” indicating multiple plastic types are used, and a classification of “multi-material” signifying products that contain materials other than plastic, such as metal, wood, rubber, etc.

- parameter - disassembly requirement - this parameter primarily focuses on assessing technical recyclability, i.e., if disassembly is required for the plastic in the product to be recycled, the product is classified as more complex for recycling compared to cases where disassembly is not required;
- parameter - assessment of recyclability of the plastic used in the product manufacturing on a scale from “1 - easily recyclable” to “4 - very complex or impossible”. In this parameter, considering that analogous products can be made from different types of plastics or may contain multiple types of plastics, the highest and lowest recyclability was determined for each product.

By using the described parameters, it is possible to simplify the evaluation of the impact of various products on the plastic recycling industry based on the principles of multi-factor analysis. Assessing the impact of a product on plastic recycling solely based on the recyclability of the plastic used in its manufacturing may lead to incorrect conclusions. For example, a construction material made from PVC, which is a difficult-to-recycle plastic but has a lifespan exceeding 20 years, may have a smaller environmental impact compared to a product made from easily recyclable PP with a lifespan of less than one year, moreover, disassembly of the product is required to recycle the PP it contains.

Information regarding the assessment of each plastic or plastic-containing product included in the selection based on the previously described parameters can be found in Appendix No. 1 of this report.

The assessment of plastic or plastic-containing products included in the selection based on categories regarding the criteria set for the amount of plastic/material in the product, service life, recyclability, is reflected in the following figure. At the same time, it should be noted that the results are applicable only to the products included in the selection and may not be directly applicable to the category as a whole, as precise data on the prevalence of each product were not obtained during the study.

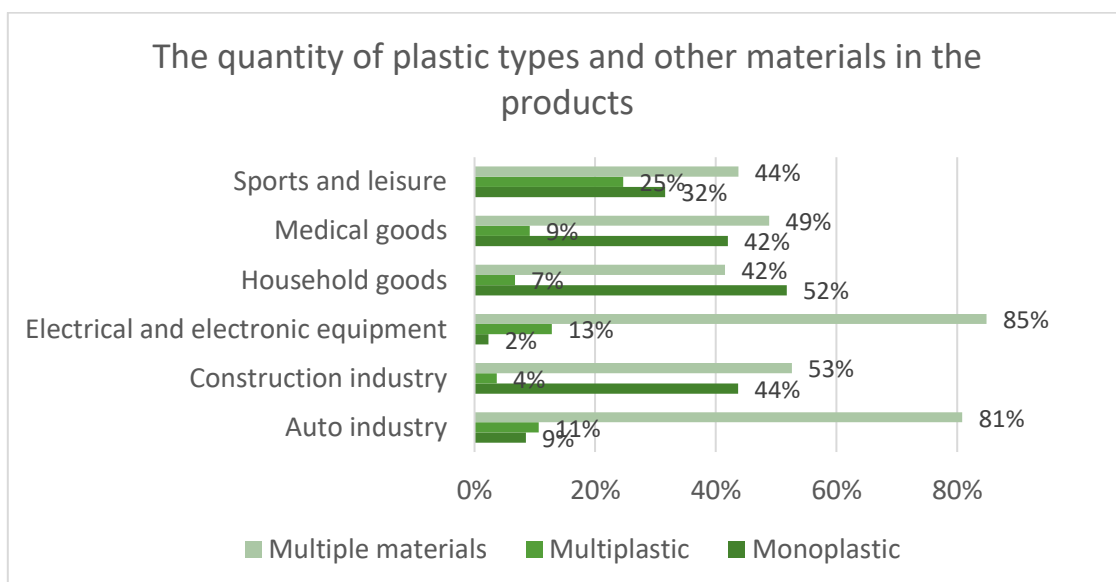


Figure 4-2 The quantity of plastic types and other materials in the products

Figure (Figure 4-2) describes the quantities of plastics used in the manufacture of the product and the use of other materials in addition to plastic components. The categories “multiplastics” and “monoplastic” indicate whether the product contains one or multiple types of plastics, while the “multiple material” category includes products that also contain other materials.

Of the analyzed products in the category of electrical and electronic equipment, 85% fall into the category where products made from multiple materials are grouped. In the auto industry, up to 81% of products fall into this group. On the other hand, the product groups with a higher proportion of "monoplastic" products are household goods, the construction industry, and medical products, with 52%, 44%, and 42% respectively of the selected products. These results, of course, must be viewed in the context of the types of plastics used in the production of the products. Considering that a product made from only one type of plastic and without other materials does not require disassembly for recycling purposes, its recycling potential increases. This implies that attention should be focused on addressing the recycling issues of products in the construction, household, and medical sectors.

Considering that the environmental impact of plastic products is also determined by their lifespan—in most cases, the shorter the lifespan, the greater the negative impact—plastic-containing products were analyzed by category, evaluating their lifespan. The products were divided into four categories, see. figure (Figure No. 4-3).

In the auto industry, 85% of plastic product items have an estimated lifespan of 1-5 years, while 15% have a lifespan of 10 years or more. In the sports and leisure sector, 81% of plastic product items have a lifespan of 1-5 years, 13% have a lifespan of 5-10 years, and 2% have a lifespan of less than a year. In the household goods sector, 86% of plastic product items have a lifespan of 1-5 years, 4% have a lifespan of 5-10 years, and 8% have a lifespan of less than a year. The product groups with the highest proportion in the >10 years category are the construction industry and electrical and electronic equipment.

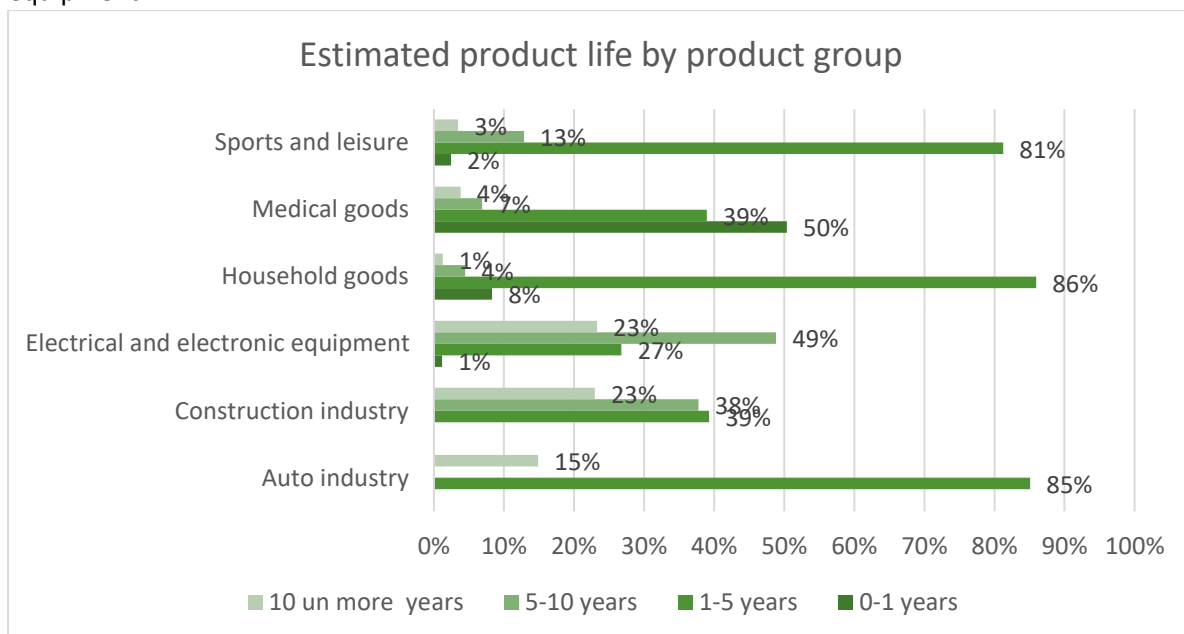


Figure No. 4-3 Estimated product life by product group

Summarizing the information on the selected plastic products, data was compiled on the types of plastics used in the manufacturing of these products. The results of the recyclability assessment, based on the type of plastic used in their production, are shown in the figure. (Figure Nr. 4-4). When conducting the analysis, the category “impossible to recycle” was excluded from the breakdown, as only one product from the sample fell into this category.

Mainly, all products fell into the category of “recyclable, but difficult” only 15% of household goods, 27% of medical goods, and 12% of sports and leisure products are easily to recyclable. Meanwhile, 14% of sports and leisure products and 26% of electrical and electronic equipment are very difficult or impossible to recyclable.

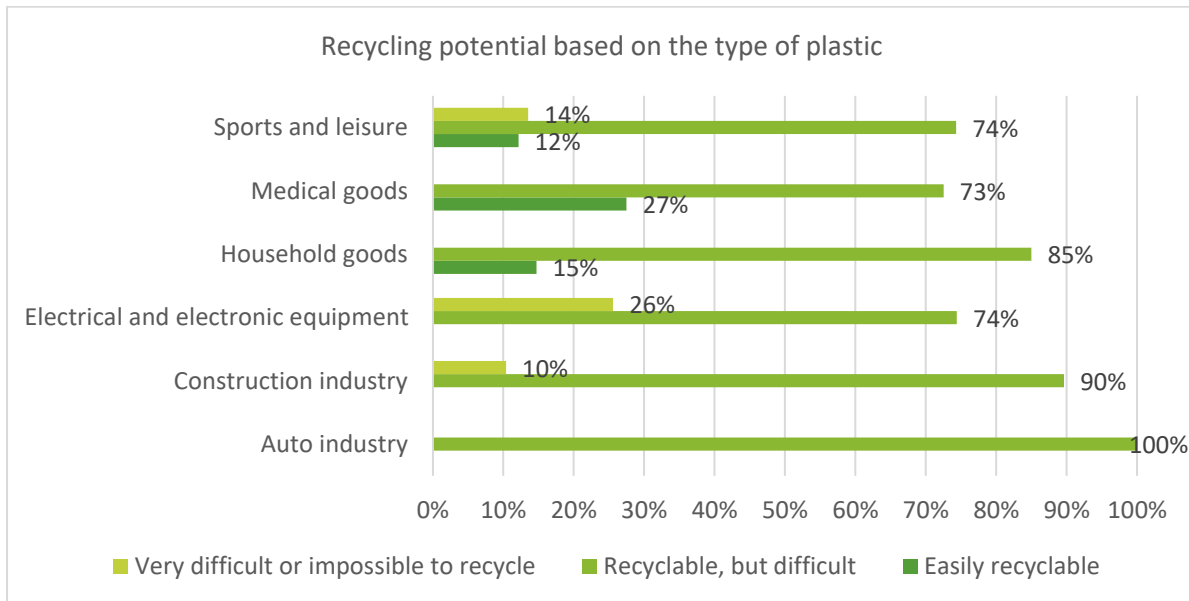


Figure Nr. 4-4 Recycling Potential Based on the type of plastic used in product manufacturing

All in all, it should be noted that, as previously mentioned, the analysis results cannot be directly applied to each category as a whole because the number of products is not measured, meaning it does not represent each category but rather the selected products included in the sample. At the same time, when interpreting the analysis results, it can be assumed that the product groups to focus on for increasing recycling volumes are sports, household, and medical products. These categories have a higher proportion of items made from a single type of plastic and utilize plastics in their manufacturing that are relatively easy to recyclable.

5 LABORATORY TESTS FOR RECYCLING FEASIBILITY ASSESSMENT AND SUMMARY OF RESULTS

As part of the study development, one of the methods used was the testing of products in a laboratory. The aim of the testing was to identify the type(s) of plastic used in the manufacturing of the product and to determine the recyclability of the respective product. The testing was conducted in the laboratory of Ltd "Nordic Plast". As of the preparation of this report, laboratory testing of 72 products has been completed. The detailed report on the testing results can be found in Appendix No. 2.

The distribution of the tested samples by product groups seen in (Figure Nr. 5-1). The figure reflects the distribution across the 72 tested products. Additional products for testing will mainly be included in the auto industry and medical goods groups.

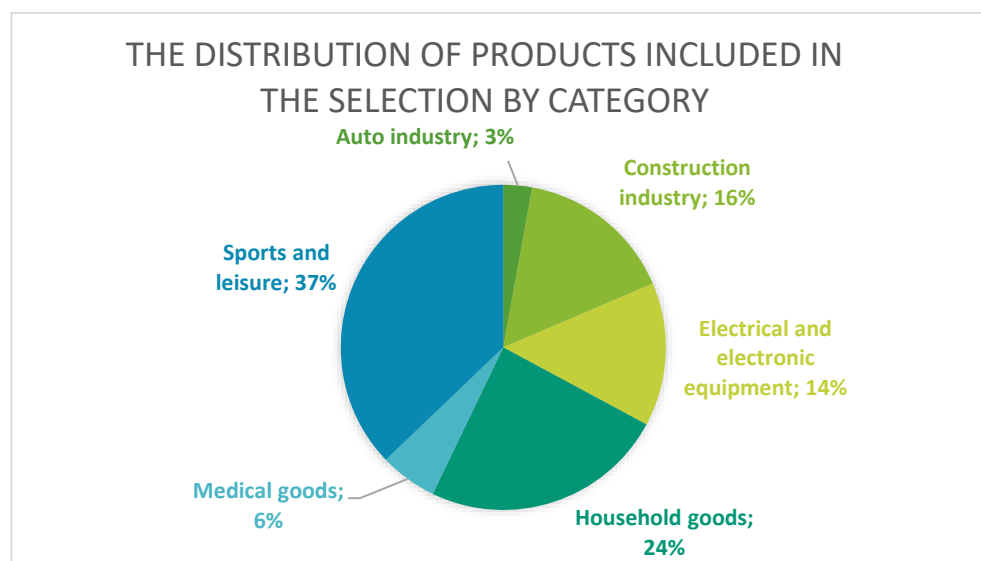


Figure Nr. 5-1 The Distribution of products included in the selection by category

A summary of the testing results regarding the recyclability of products by product groups can be seen in the figure (Figure Nr. 5-2). It should be noted that a product classified as recyclable was based on the technological capabilities of Ltd "Nordic Plast" factory, and it is not excluded that certain products classified as non-recyclable could be recyclable in other recycling facilities.

The classification was conducted in three categories: "Recyclable", "Non-recyclable", and "It necessary to perform an in-depth analysis". The last category included plastic or plastic-containing products that contain multiple types of plastics or whose recycling potential could not be determined with the standard set of testing methods applied.

The results indicate that the largest proportion of recyclable products is found in the categories of sports and household goods, accounting for 54% and 29%, respectively. Among the tested products from the construction industry, 18% have been classified as recyclable.

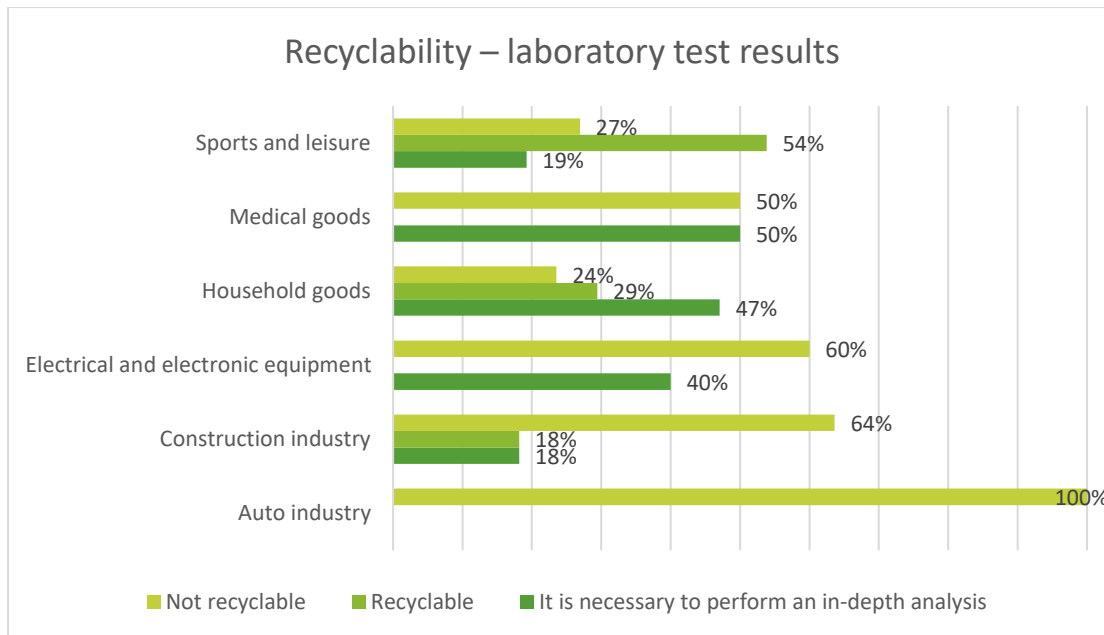


Figure Nr. 5-2 Recyclability – laboratory test results

It should be noted that in the category of household goods, despite the relatively high proportion of recyclable products, there is also a significant proportion of products that require further analysis. One of the reasons for these results is the mixture of multiple types of plastics used in the production of these products.

The main conclusions obtained from conducting laboratory testing of plastic or plastic-containing products are as follows:

- the type of plastic used in the production of a product can be relatively easily determined in a laboratory with appropriate spectrometry equipment. However, this does not guarantee that if the identified type of plastic is easily recyclable, the corresponding product will also be suitable for recycling. This is because it cannot be ruled out that the plastic has degraded over time or has been recycled multiple times, reaching the recycling cycle limit;
- the suitability of a product for recycling can be confirmed only by combining spectrometry with melting temperature measurements, flow measurements, and post-processing analysis of the tested sample – evaluating flexibility and material structure;
- the suitability of a product for recycling can be confirmed only by combining spectrometry with melting temperature measurements, flow measurements, and post-processing analysis of the tested sample – evaluating flexibility and material structure.
- Composite material products, which use multi-layered plastics in their manufacturing, pose challenges. In this situation, identifying the type of plastic with spectrometry only determines the type of plastic in the outer layer, but not the types of plastics located beneath or between the outer layers.

6 CONCLUSIONS AND RECOMMENDATIONS

Evaluating the results obtained during the study, it can be concluded that the circulation of plastics from a systemic perspective is a complex process. One of the significant issues is the wide range of plastic types, each with its own characteristics that dictate the requirements for recycling technological solutions. Additionally, new types of plastics with improved properties and functionality in the consumption phase are continually being developed, which simultaneously raises the bar for potential recycling solutions.

Another factor that limits plastic recycling due to the diversity of plastic materials is the lack of opportunities to collect a sufficiently clean stream of a specific type of plastic waste without contamination from other plastics or materials. This raises the issue of ensuring the recycling of the respective type of plastic or at least brings attention to the need for it.

In the plastics industry, chemical recycling is seen as an opportunity to promote the circularity of plastics according to the principles of the circular economy. However, current results suggest that in the medium term, this solution may not ensure a sufficient return of plastic waste into circulation.

Hence, it can be concluded that without the development of technological solutions for recycling, corrections need to be made at the beginning of the plastic cycle. This requires implementing measures to promote the use of more easily recyclable plastics in manufacturing, while phasing out those plastics that are difficult or impossible to recycle. Of course, there should be a balance here. If a specific type of plastic is necessary to ensure the functionality of a product, it wouldn't be rational to limit its usage. However, if there are alternative options in manufacturing between more easily recyclable and more complex plastics, preference should be given to the more easily recyclable ones.

The question of using plastics as components of products would be especially pertinent in the context of the overall plastic circulation. In other words, if the relevance of plastic packaging circulation remains consistently high, then the circulation and recyclability of plastics as components of everyday products, which is the main focus of this study, are often limited by the general regulations established for household waste. If specific recycling targets are established for plastic packaging waste and extended producer responsibility systems are introduced to ensure management, then general household waste reuse and recycling targets apply to plastic waste that is not packaging. Currently, this target is set at 50% of the total waste generated. It's worth noting that this target applies to household waste overall without specific requirements for individual waste types, including plastics. This means that theoretically, the targets could be met without recycling any tons of plastic.

Focusing more specifically on the aim of this study - to analyze the volumes of plastics used as components in products in circulation in Latvia and the recyclability of plastics used in the production of various products - the following conclusions have been drawn from the study results. Additionally, considering that plastic recycling is just one stage in the life cycle of plastics, the conclusions section also addresses issues and recommendations regarding the overall plastic circulation cycle:

- One of the crucial aspects in addressing issues related to plastic circulation is the availability of reliable and high-quality data regarding the volumes of plastic products entering circulation. Such information is necessary to plan appropriate management systems for the generated waste volume, including collection, processing facilities, and the utilization of recycled materials obtained through processing in the production of new products. Within the

scope of the study, conducting an analysis of available data revealed that accurate data is currently not obtainable. An analysis of trade import-export data indicates that approximately 21 thousand tons of plastic or plastic-containing products enter circulation annually. At the same time, this volume does not include the impact of the automotive sector and the segment of electrical and electronic equipment on the amount of plastic entering circulation. Continuing the exploration of this issue, it would be recommended to implement two approaches: 1) ideally, data acquisition from trading companies and methodologically correct analysis; 2) examination of the morphological composition of plastic waste streams, including not only household waste but also end-of-life vehicles, construction waste, and waste from electrical and electronic equipment, determining the proportion of plastics.

- Regarding the identification of the types of plastics present in plastic or plastic-containing products based on product documentation, it can be concluded that the only type of documentation that provides qualitative information and allows for the identification of both types and quantities of plastics used in the manufacturing of the product, and is publicly available for stakeholders' needs. That is the Product Environmental Declaration. At the same time, it should be noted that the development of this documentation for products is the manufacturer's choice, and therefore, it is available for a limited range of products. A preferable step in addressing this issue would be to initially designate the Product Environmental Declaration as mandatory documentation for introducing the product into the market, at least for a specific range of products (with potentially greater environmental impact).
- Plastic waste classification prior to recycling and the distribution of flows by plastic types—unlike plastic packaging, where each unit is labeled to identify the type of plastic—has not been implemented for plastic products. This complicates the sorting of various plastic products into material streams. As demonstrated by laboratory sample testing, even qualified experts may not always visually identify the type of plastic, which can negatively impact material recycling. One solution to this issue would be the implementation of labeling on plastic products, allowing for the identification of the type of plastic used. However, there should be a balanced approach in establishing labeling requirements, either by specifying requirements for certain types of plastic or based on the physical dimensions of the product. This means labeling products that are distinguishable from the rest of the plastic waste stream based on their dimensions.
- The use of different types of plastics in the production of analogous products was identified during the analysis of the plastic composition and other parameters of the plastic products included in the study. It was found that a functionally equivalent product can be manufactured from various types of plastics, including both easily recyclable and more complex ones. In such a scenario, it would be advisable to incentivize manufacturers to use more easily recyclable plastics. However, further research is needed to conduct a comprehensive analysis. If a more complex recyclable plastic significantly extends the product's lifespan compared to a product made from easily recyclable plastic, it's possible that the overall life cycle impact would be lower for the more complex recyclable plastic.
- The combination of various types of plastics as well as other materials in a single product – often, multiple types of plastics or even plastics combined with other materials are used in the manufacturing of products. This implies that in order to divert plastics for recycling, disassembly of the product is required, which clearly limits the recycling of plastic components. Regarding this issue, it would be advisable to motivate manufacturers to avoid

combining multiple types of materials or, if this is not possible, to ensure that the product can be disassembled. This could include incorporating disassembly instructions in the product documentation, similar to the requirements for products subject to eco-design regulations.

- Regulatory Framework for Promoting Plastic Recycling – In the current situation, among the categories of plastic-containing products included in the study (electrical and electronic equipment; construction industry; auto industry; sports and leisure; medical products; household goods), only the first three have necessary regulations for waste collection and recycling. As mentioned previously, household waste targets apply to plastic waste as part of household waste. However, there are no specific targets set for particular material streams within the waste. Setting specific binding targets for particular material types could promote plastic recycling by both developing recycling capacities and reducing the use of non-recyclable plastics in product manufacturing.

Appendix No. 1

	Category	Subcategory	Product	Composition and type of plastic	Distribution	Service life"	Amount of plastic material	Dismantling	Source	Recyclability	
										"+"	"_"
1	Sports and leisure	garden products	Tables	PU, PP, HDPE, PVC	often	5-10 years	mono	no	data	1	3
2	Sports and leisure	garden products	Chairs	PU, PP, HDPE, PVC	often	5-10 years	mono	no	lab.	1	3
3	Sports and leisure	garden products	Bench	PU, PP, HDPE, PVC	often	5-10 years	mono	no	no	1	3
4	Sports and leisure	garden products	Garden canopies	PC, PP, HDPE, PVC	often	5-10 years	multi	no	no	1	3
5	Sports and leisure	garden products	Serving trolley	PC, PP, HDPE, PVC, EVA	rarely	5-10 years	multi	no	no	1	4
6	Sports and leisure	garden products	Deck tiles	HDPE, LDPE, PP, PVC, WPC	often	10-15 years	multi	no	no	1	3
7	Sports and leisure	garden products	Boundary chain	HDPE, LDPE, PP	rarely	10-15years	multi mater	no	no	1	2
8	Sports and leisure	garden products	Garden shed	PP, HDPE, LDPE, PVC, PU	rarely	5-10 years	multi mater	no	no	1	3
9	Sports and leisure	garden products	Sun loungers	PP, HDPE, LDPE, PVC, PU	often	5-10 years	mono	no	no	1	3
10	Sports and leisure	garden products	flower pots	PP, HDPE, LDPE, PVC, PU	very often	3-5 years	mono	no	lab.	1	3
11	Sports and leisure	garden products	Sun umbrellas	PVC, ABS, PC, PP, EVA	often	5-10 years	multi mater	yes	data	1	4
12	Sports and leisure	garden products	Umbrella base	PP, HDPE, LDPE, PVC, ABS	often	5-10 years	multi mater	yes	data	1	3
13	Sports and leisure	garden products	Sprayer	PP, HDPE, LDPE, PVC, ABS	often	3-5 years	multi mater	yes	data	1	3
14	Sports and leisure	garden products	Watering can spout	PP, HDPE, LDPE, PVC, ABS,	often	5-10 years	mono	no	data	1	3
15	Sports and leisure	garden products	Watering can	PP, HDPE, LDPE, PVC, ABS,	often	5-10 years	mono	no	lab.	1	3
16	Sports and leisure	garden products	Mist sprayer	PP, HDPE, LDPE, PVC, ABS,	often	3-5 years	multi mater	no	data	1	3
17	Sports and leisure	garden products	Bottle cap	PP, HDPE, LDPE, PVC, ABS,	often	3-5 years	mono	no	data	1	3
18	Sports and leisure	garden products	Sprayer handle	ABS, PP, PU, PA	rarely	3-5 years	mono	no	data	1	3
19	Sports and leisure	garden products	Sprayer pump	POM, PP, PA, PU, PVC	rarely	3-5 years	multi mater	no	data	1	4

20	Sports and leisure	garden products	Automatic pump for pressure maintenance	PP, PU, PVC, HDPE, LDPE	often	3-5 years	multi mater	no	data	1	3
21	Sports and leisure	garden products	Connector adapter	PP, HDPE, LDPE, PVC, ABS,	often	3-5 years	mono	no	data	1	3
22	Sports and leisure	garden products	Connector with water flow stop	PP, HDPE, LDPE, PVC, ABS, PU	often	3-5 years	multi	no	data	1	3
23	Sports and leisure	garden products	Garden shower on a stand	PP, HDPE, LDPE, PVC, PC	rarely	3-5 years	multi mater	no	data	1	3
24	Sports and leisure	garden products	Irrigation system manifold	PP, HDPE, LDPE, PVC	often	3-5 years	multi	no	data	1	3
25	Sports and leisure	garden products	Autonomous irrigation system	PP, HDPE, LDPE, PVC	often	5-10 years	multi	no	data	1	3
26	Sports and leisure	garden products	Rainwater barrel	PP, HDPE, LDPE, PVC	rarely	3-5 years	mono	no	data	1	3
27	Sports and leisure	garden products	Watering hose	PP, HDPE, LDPE, PVC	often	3-5 years	multi mater	no	data	1	3
28	Sports and leisure	garden products	Hose reel	PP, HDPE, LDPE, PVC	often	3-5 years	multi	no	data	1	3
29	Sports and leisure	garden products	Hose holder	HDPE, LDPE, PVC, TPE, EVA	often	3-5 years	multi	no	data	1	4
30	Sports and leisure	garden products	Hose connector	PP, HDPE, LDPE, PVC, ABS	often	3-5 years	mono	no	data	1	3
31	Sports and leisure	garden products	Seedling box	PP, HDPE,	rarely	1-3 years	mono	no	lab.	1	3
32	Sports and leisure	garden products	Seedling tray	PP, HDPE	rarely	1-3 years	mono	no	data	1	3
33	Sports and leisure	garden products	Cover for maintaining microclimate	PC, HDPE, ETFE, PVC	rarely	1-3 years	mono	no	data	1	4
34	Sports and leisure	garden products	Indoor greenhouse	PC, HDPE, PVC, EVA	rarely	1-3 years	multi mater	no	data	1	4
35	Sports and leisure	garden products	Polycarbonate greenhouse	PC	often	10-25 years	multi mater	yes	lab.	3	3
36	Sports and leisure	garden products	Plant box	PP, HDPE, ABS	rarely	1-3 years	mono	no	data	1	3
37	Sports and leisure	garden products	Raised garden bed	PP, HDPE, ABS	rarely	3-5 years	mono	no	data	1	3
38	Sports and leisure	garden products	Seedling pots	PP, HDPE, ABS	rarely	3-5 years	mono	no	data	1	3
39	Sports and leisure	garden products	Bulb basket	PP, PVC, HDPE,	rarely	1-3 years	mono	no	data	1	3
40	Sports and leisure	garden products	Compost bin volume	PP, PVC, HDPE, ABS	rarely	5-10 years	mono	no	data	1	3

41	Sports and leisure	garden products	Compost bin	PP, PVC, HDPE, ABS	often	5-10 years	mono	no	data	1	3
42	Sports and leisure	garden products	Compost box	PP, PVC, HDPE, ABS	often	5-10 years	mono	no	data	1	3
43	Sports and leisure	garden products	Mouse trap	PP, LDPE, HDPE	rarely	1-3 years	multi	no	data	1	3
44	Sports and leisure	garden products	Mole repellent	PP, HDPE, LDPE, PVC, PS	rarely	1-3 years	multi	no	data	1	3
45	Sports and leisure	garden products	Mouse repellent device	PP, PVC, ABS	rarely	1-3 years	multi mater	no	data	1	3
46	Sports and leisure	garden products	Greenhouse film fasteners	HDPE, LDPE, PVC	very often	1-5 years	mono	no	data	1	3
47	Sports and leisure	garden products	Greenhouse film	HDPE, LDPE, PVC	very often	1-5 years	mono	no	data	1	3
48	Sports and leisure	garden products	Plant stake	HDPE, LDPE, PP, PVC, ABS	often	1-3 years	mono	no	data	1	3
49	Sports and leisure	garden products	Plant trellis	HDPE, LDPE, PP, PVC, ABS	rarely	1-3 years	mono	no	lab.	1	3
50	Sports and leisure	garden products	Plant support	HDPE, LDPE, PP, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
51	Sports and leisure	garden products	Plant support clips.	HDPE, LDPE, PP, PA, PU	rarely	1-3 years	mono	no	data	1	3
52	Sports and leisure	garden products	Tomato plant supports	HDPE, LDPE, PP, PA, PU	rarely	1-3 years	mono	no	data	1	3
53	Sports and leisure	garden products	Plant ties	HDPE, LDPE, PP, PA, PU	rarely	1-3 years	mono	no	data	1	3
54	Sports and leisure	garden products	Tree protection mesh	HDPE, LDPE, PP, PVC, ABS	rarely	1-3 years	mono	no	lab.	1	3
55	Sports and leisure	garden products	Border mesh	HDPE, LDPE, PP, PA, PVC	rarely	1-3 years	mono	no	data	1	3
56	Sports and leisure	garden products	Plant labels	HDPE, LDPE, PP, PA, PC	often	1-3 years	mono	no	data	1	3
57	Sports and leisure	garden products	Rain gauge	HDPE, LDPE, PA, PC, PVC	rarely	1-3 years	multi mater	no	data	1	3
58	Sports and leisure	garden products	Soil pH tester	HDPE, LDPE, PP, PA, PC, PVC	rarely	1-3 years	multi mater	no	data	1	3
59	Sports and leisure	garden products	Soil tester	HDPE, LDPE, PA, PC, PVC	rarely	1-3 years	mono	no	data	1	3
60	Sports and leisure	garden products	Irrigation kit	HDPE, LDPE, PP, PVC, ABS	rarely	1-3 years	multi mater	no	data	1	3
61	Sports and leisure	garden products	Plant watering spike	HDPE, LDPE, PP, PVC, ABS	rarely	1-3 years	multi	no	data	1	3
62	Sports and leisure	garden products	Berry picker with telescopic handle	HDPE, LDPE, PP, ABS, PVC	rarely	1-3 years	multi mater	yes	data	1	3
63	Sports and leisure	garden products	plum pitter	HDPE, LDPE, PP, ABS	rarely	1-3 years	multi mater	no	data	1	3
64	Sports and leisure	garden products	LED floodlight	PC, ABS	often	2-5 years	multi mater	yes	data	3	3

65	Sports and leisure	garden products	Floodlight stand	PC, ABS, PP	often	2-5 years	multi mater	yes	data	1	3
66	Sports and leisure	garden products	Outdoor wall lamp	PC, ABS, PP	often	2-5 years	multi mater	yes	data	1	3
67	Sports and leisure	garden products	Greenhouse tubing	PC, ABS	rarely	10-25 years	multi mater	yes	data	1	1
68	Sports and leisure	sporting goods	Table tennis balls	HDPE	often	1-3 years	mono	no	lab.	1	1
69	Sports and leisure	sporting goods	Badminton set	PA	often	1-3 years	multi	no	data	3	3
70	Sports and leisure	sporting goods	Shuttlecock tip	PA	often	1-3 years	mono	no	data	3	3
71	Sports and leisure	sporting goods	Ski glasses	PC	often	2-5 years	multi	no	data	3	3
72	Sports and leisure	sporting goods	Ski helmets	PC	often	2-5 years	multi	no	data	3	3
73	Sports and leisure	sporting goods	Snowboard bindings	PA	often	2-5 years	multi mater	no	data	3	3
74	Sports and leisure	sporting goods	Vibration damper	HDPE	rarely	2-5 years	mono	no	data	1	1
75	Sports and leisure	sporting goods	Football goal	HDPE, LDPE, PP, PVC	rarely	5-10 years	multi	no	data	1	3
76	Sports and leisure	sporting goods	Floorball stick blade	PU	rarely	2-5 years	multi	no	data	2	2
77	Sports and leisure	sporting goods	Floorball stick shaft	PC	rarely	2-5 years	multi	no	data	3	3
78	Sports and leisure	sporting goods	Floorball ball	PU	rarely	2-5 years	mono	no	data	2	2
79	Sports and leisure	sporting goods	Skipping rope.	PVC, TPE	often	2-5 years	multi	no	data	2	3
80	Sports and leisure	sporting goods	Gymnastics hoop	PP	often	2-5 years	mono	no	lab.	1	1
81	Sports and leisure	sporting goods	Cone	PP	often	2-5 years	mono	no	data	1	1
82	Sports and leisure	sporting goods	Mini cones	PP	often	2-5 years	mono	no	data	1	1
83	Sports and leisure	sporting goods	Sports bottle	HDPE, LDPE, PP	often	1-3 years	multi mater	no	lab.	1	2
84	Sports and leisure	sporting goods	Sports mat	PVC, EVA	often	1-3 years	multi mater	no	data	3	4
85	Sports and leisure	sporting goods	Darts	PP	often	1-3 years	mono	no	data	1	1
86	Sports and leisure	sporting goods	Ball marker	PS, PP	rarely	1-3 years	mono	no	data	1	3
87	Sports and leisure	sporting goods	Mini basketball hoop with backboard	PP	rarely	1-3 years	mono	no	data	1	1
88	Sports and leisure	sporting goods	Basketball hoop with backboard	PP, PC	rarely	1-3 years	multi mater	no	data	1	3
89	Sports and leisure	sporting goods	Multi-functional skates	PP, ABS, HDPE, LDPE	rarely	1-3 years	multi mater	no	data	1	1
90	Sports and leisure	sporting goods	Push-up handles	PP	rarely	1-3 years	multi	no	data	1	3

91	Sports and leisure	sporting goods	Aerobic step	PP, ABS, HDPE, LDPE,	often	1-3 years	multi	no	data	1	3
92	Sports and leisure	sporting goods	Weight collar"	PP, ABS, PU	rarely	1-3 years	multi	no	data	1	3
93	Sports and leisure	sporting goods	EMS device with handles	PP, ABS, HDPE, LDPE, PU, TPE	rarely	1-3 years	multi mater	no	data	1	3
94	Sports and leisure	sporting goods	Pilates ring	PP, ABS, TPE	rarely	1-3 years	multi	no	data	1	3
95	Sports and leisure	sporting goods	Cone stick	PP, HDPE, LDPE, TPE, PVC	rarely	1-3 years	multi	no	data	1	3
96	Sports and leisure	sporting goods	Sports phone armband	PP, TPE, PVC, ABS	often	1-3 years	multi mater	no	data	1	3
97	Sports and leisure	sporting goods	Whistle	POM, PP, HDPE, LDPE, ABS	often	1-3 years	mono	no	data	1	4
98	Sports and leisure	sporting goods	Elliptical trainer	PC, ABS, PU, PVC	rarely	10-20 years	multi mater	yes	data	1	3
99	Sports and leisure	sporting goods	Dumbbells	ABS, HDPE, LDPE, PU, TPE	rarely	1-3 years	multi mater	no	data	1	3
100	Sports and leisure	sporting goods	Foam roller	PP, ABS, HDPE, LDPE, TPE	rarely	1-3 years	multi mater	no	data	1	3
101	Sports and leisure	sporting goods	Agility ladder	PP, ABS HDPE, LDPE	rarely	1-3 years	multi	no	data	1	3
102	Sports and leisure	sporting goods	ball pump	PP, ABS, HDPE, LDPE, PVC	often	1-3 years	multi mater	no	data	1	3
103	Sports and leisure	cycling accessories	Tricycles	PC, ABS, HDPE, LDPE, PU	often	1-3 years	multi mater	yes	data	1	3
104	Sports and leisure	cycling accessories	Running bikes	PC, ABS, HDPE, LDPE, PU	often	1-3 years	multi mater	yes	data	1	3
105	Sports and leisure	cycling accessories	Bicycle helmets	PC, ABS, PU	often	2-5 years	multi	no	data	3	3
106	Sports and leisure	cycling accessories	Cycling glasses"	PC	often	2-5 years	multi	no	lab.	2	3
107	Sports and leisure	cycling accessories	Safety locks	PC, ABS, PU, PVC	often	2-5 years	multi mater	no	data	1	3
108	Sports and leisure	cycling accessories	Pumps	ABS, PU, HDPE, LDPE, PP	often	2-5 years	multi mater	no	data	1	3
109	Sports and leisure	cycling accessories	Bicycle reflectors	PC, ABS, HDPE, LDPE, PVC	often	2-5 years	multi	no	data	2	3
110	Sports and leisure	cycling accessories	Headlamp	PC, ABS, HDPE, LDPE, PVC	often	2-5 years	multi mater	no	data	1	3
111	Sports and leisure	cycling accessories	Mudguards	PC, ABS, HDPE, LDPE, PVC	often	2-5 years	multi	no	lab.	1	3
112	Sports and leisure	cycling accessories	Bicycle horn	PC, ABS, HDPE, LDPE, PVC	often	2-5 years	multi	no	data	2	3
113	Sports and leisure	cycling accessories	Bicycle basket	PC, ABS, PU, PVC	often	2-5 years	multi	no	data	2	3
114	Sports and leisure	cycling accessories	Phone holder	PC, ABS, PU, TPU	often	2-5 years	multi	no	data	2	3
115	Sports and leisure	cycling accessories	Heart rate monitor holders	TPU, ABS	rarely	2-5 years	multi	no	data	2	3

116	Sports and leisure	cycling accessories	Bicycle pedals	PA, TPU, PC, POM	often	2-5 years	multi mater	no	data	1	3
117	Sports and leisure	cycling accessories	Child seat	PP, ABS, HDPE, LDPE, TPE	often	5-10 years	multi mater	no	data	1	2
118	Sports and leisure	cycling accessories	Bicycle rack	PP, HDPE, LDPE	rarely	10-15 years	multi mater	yes	data	1	2
119	Sports and leisure	cycling accessories	Bicycle rack	PP, HDPE, LDPE, PU	often	5-10 years	multi mater	no	data	1	2
120	Sports and leisure	cycling accessories	Bicycle stand	PP, PU, ABS, PVC	rarely	5-10 years	multi mater	no	data	1	3
121	Sports and leisure	roller skates, skateboards and scooters	Roller skates	PP, PU, ABS	often	5-10 years	multi mater	no	data	1	3
122	Sports and leisure	roller skates, skateboards and scooters	Scooter	PP, HDPE, LDPE, ABS, PVC	often	2-5 years	multi mater	no	data	1	3
123	Sports and leisure	roller skates, skateboards and scooters	Helmets	PC, ABS, EPS	often	2-5 years	multi	no	data	1	4
124	Sports and leisure	roller skates, skateboards and scooters	Protectors	PP, ABS, PC, TPU	often	2-5 years	multi	no	data	1	3
125	Sports and leisure	skis, snowboards and sleds	Sled	TPU, EVA	often	2-5 years	multi mater	no	data	2	4
126	Sports and leisure	skis, snowboards and sleds	Skating pads	HDPE, PU	often	1-3 years	mono	no	lab.	1	2
127	Sports and leisure	skis, snowboards and sleds	Snow scooters	PP, HDPE, LDPE	often	1-3 years	multi mater	no	data	1	2
128	Sports and leisure	skis, snowboards and sleds	Snow sled	PP, HDPE, LDPE	often	1-3 years	multi	no	data	1	2
129	Sports and leisure	skis, snowboards and sleds	Skis	HDPE, PU	rarely	1-3 years	multi mater	no	data	1	2
130	Sports and leisure	Outdoor games	Beach tennis set	PP, HDPE, LDPE, ABS	rarely	1-3 years	multi mater	no	lab.	1	3
131	Sports and leisure	Outdoor games	Flying discs	PU, TPU, HDPE, PP	rarely	1-3 years	mono	no	data	1	2
132	Sports and leisure	Outdoor games	Frisbee	PU, TPU, HDPE, PP	rarely	1-3 years	mono	no	data	1	2
133	Sports and leisure	Outdoor equipment	Camping chair	PP, HDPE, LDPE, ABS	often	1-3 years	multi mater	yes	data	1	3
134	Sports and leisure	Outdoor equipment	Cool box	PP, LDPE, PU	often	5-10 years	multi mater	yes	data	1	2
135	Sports and leisure	Outdoor equipment	Portable shower	PVC, HDPE, TPU	rarely	5-10 years	multi mater	yes	data	1	3
136	Sports and leisure	Outdoor equipment	Camping LED lantern	HDPE, LDPE, PP, ABS, PC	rarely	3-5 years	multi mater	yes	data	1	3
137	Sports and leisure	Outdoor equipment	Pumps	PP, ABS, HDPE, LDPE, TPU	often	3-5 years	multi mater	yes	data	1	3
138	Sports and leisure	Outdoor equipment	Binoculars	HDPE, LDPE, PP, ABS, PC	rarely	5-10 years	multi	no	data	1	3

139	Sports and leisure	Outdoor equipment	Cleats	TPE, TPU, PU	rarely	1-3 years	mono	no	data	2	3
140	Sports and leisure	Outdoor equipment	Shoe dryer	PP, ABS, POM	rarely	1-3 years	multi mater	no	data	1	3
141	Sports and leisure	Outdoor equipment	Snow shoes	TPE, TPU, PU	rarely	1-3 years	multi	no	data	2	2
142	Sports and leisure	Outdoor equipment	Compass	PP, ABS, PC	rarely	1-3 years	multi mater	no	data	1	3
143	Sports and leisure	Outdoor equipment	Head lamp	ABS, PC, PP, PA, HDPE,	often	1-3 years	multi mater	yes	data	1	3
144	Sports and leisure	Outdoor equipment	Trekking poles	PP, TPE, TPU, PA	rarely	1-3 years	multi mater	yes	data	1	4
145	Sports and leisure	Outdoor equipment	Tourist bowl	PP, PA, HDPE, LDPE	often	1-3 years	mono	no	data	1	3
146	Sports and leisure	Outdoor equipment	Cutlery	PP, PA, HDPE, LDPE	often	1-3 years	mono	no	lab.	1	3
147	Sports and leisure	Outdoor equipment	Folding knife	PP, PU	often	1-3 years	multi mater	no	data	1	3
148	Sports and leisure	Outdoor equipment	Collapsible bottle	TPE, TPU, LDPE	often	1-3 years	multi	no	data	2	2
149	Sports and leisure	Outdoor equipment	Replacement mouthpiece	TPE, LDPE, PP	rarely	1-3 years	mono	no	data	1	2
150	Sports and leisure	Outdoor equipment	Flask	TPE, HDPE, LDPE, PP	rarely	1-3 years	multi	no	data	1	2
151	Sports and leisure	Outdoor equipment	Collapsible water jug	HDPE, LDPE, PP	rarely	1-3 years	multi	no	data	1	2
152	Sports and leisure	Outdoor equipment	Collapsible bucket	HDPE, LDPE, PP	rarely	1-3 years	multi	no	data	1	2
153	Sports and leisure	Outdoor equipment	Tourism mirror	PC, PP, ABS	rarely	1-3 years	multi	no	data	1	3
154	Sports and leisure	Outdoor equipment	Water filter	PP, HDPE, LDPE, ABS	rarely	1-3 years	mono	no	data	1	3
155	Sports and leisure	Outdoor equipment	Arborist saw handle	PC, PA	rarely	5-10 years	multi mater	no	data	3	3
156	Sports and leisure	Outdoor equipment	Ratchet straps	PA, PET, PP, TPU	rarely	1-3 years	multi mater	no	data	1	3
157	Sports and leisure	Outdoor equipment	Signal flare	PC, EVA, HDPE, PVC	rarely	1-3 years	multi mater	no	data	1	4
158	Sports and leisure	Outdoor equipment	Snow sledge.	PVC	rarely	1-3 years	multi	no	data	3	3
159	Sports and leisure	Outdoor equipment	Whistle	POM, PP, HDPE, LDPE, ABS	rarely	3-5 years	mono	no	data	1	3
160	Sports and leisure	Fishing equipment	Tackle box	PP, ABS, LDPE, HDPE	rarely	3-5 years	multi	no	lab.	1	3
161	Sports and leisure	Fishing equipment	Fishing rod cover.	PP, HDPE, ABS, PA	rarely	3-5 years	multi	no	data	1	3
162	Sports and leisure	Fishing equipment	Bait feeder	PP, HDPE, ABS	rarely	3-5 years	multi	no	data	1	3
163	Sports and leisure	Fishing equipment	Fishing rod holder	PP, HDPE, ABS	rarely	3-5 years	multi	no	data	1	3
164	Sports and leisure	Fishing equipment	winter fishing reel	PP, HDPE, ABS	rarely	3-5 years	mono	no	data	1	3
165	Sports and leisure	Fishing equipment	Fishing hooks	PVC, HDPE, LDPE, ABS	rarely	0-1 years	mono	no	data	1	3
166	Sports and leisure	Fishing equipment	Line counter	PP, PVC, HDPE, LDPE	rarely	1-3 years	mono	no	data	1	3
167	Sports and leisure	Fishing equipment	Gear box	PP, ABS, HDPE, LDPE	rarely	1-3 years	multi	no	data	1	3

168	Sports and leisure	Fishing equipment	Bait bucket	PP, HDPE	rarely	1-3 years	mono	no	data	1	1
169	Sports and leisure	Fishing equipment	Bait bucket	PP, HDPE, PVC	rarely	1-3 years	mono	no	data	1	3
170	Sports and leisure	Fishing equipment	Aerators	PP, HDPE, PVC	rarely	1-3 years	multi	no	data	1	3
171	Sports and leisure	Fishing equipment	Rod holder	PP, HDPE, ABS	rarely	1-3 years	multi	no	data	1	3
172	Sports and leisure	Fishing equipment	Ground screw rod holders	PP, HDPE, PA	rarely	1-3 years	multi	no	data	1	3
173	Sports and leisure	Fishing equipment	Pliers	PP, HDPE, ABS	rarely	1-3 years	mono	no	data	1	3
174	Sports and leisure	Fishing equipment	Landing net handle	PP, HDPE, ABS	rarely	1-3 years	multi	no	data	1	3
175	Sports and leisure	Fishing equipment	Bite alarm	PP, HDPE, ABS	rarely	1-3 years	multi	no	data	1	3
176	Sports and leisure	Fishing equipment	Tackle bag	PP, HDPE, PVC	rarely	1-3 years	multi mater	no	data	1	3
177	Sports and leisure	Fishing equipment	Crampons	TPE	rarely	1-3 years	multi mater	no	data	2	2
178	Sports and leisure	Fishing equipment	Plastic beads	PP, HDPE, PVC	rarely	1-3 years	mono	no	data	1	1
179	Sports and leisure	Fishing equipment	Pneumatic gun	PP, HDPE, PA	rarely	1-3 years	mono	no	data	1	3
180	Sports and leisure	Fishing equipment	Air rifle	PP, HDPE	rarely	1-3 years	multi mater	yes	data	1	3
181	Sports and leisure	Fishing equipment	Rod tip protector	PP, HDPE, PA	rarely	1-3 years	multi	no	data	1	3
182	Sports and leisure	Fishing equipment	Kids' fishing set	PP, HDPE, ABS	rarely	1-3 years	multi mater	yes	data	1	3
183	Sports and leisure	Fishing equipment	Marmot	PVC, TPE	rarely	1-3 years	multi mater	yes	data	1	3
184	Sports and leisure	Fishing equipment	Reel	PP, HDPE, ABS	rarely	1-3 years	mono	no	data	1	3
185	Sports and leisure	Fishing equipment	Feeder	PP, HDPE, ABS	rarely	1-3 years	multi mater	yes	lab.	1	3
186	Sports and leisure	Water recreational equipment	Boats	LDP, PVC, ABS	rarely	10-20 years	multi mater	yes	data	2	3
187	Sports and leisure	Water recreational equipment	Oars	LDPE, PP	rarely	5-10 years	multi mater	yes	data	2	3
188	Sports and leisure	Water recreational equipment	Boat trailer dolly	LDPE, PA	rarely	5-10 years	multi mater	yes	data	1	2
189	Sports and leisure	Water recreational equipment	SUP paddle	PP, PVC	rarely	5-10 years	multi mater	yes	data	1	3
190	Sports and leisure	Water recreational equipment	SUP board	LDP, PP, PVC	rarely	5-10 years	multi mater	yes	data	1	3

191	Sports and leisure	Water equipment	recreational	SUP leash	LDP, PP	rarely	5-10 years	multi mater	yes	data	1	2
192	Sports and leisure	Water equipment	recreational	Waterproof pouch	HDPE, LDPE, PVC, PU	rarely	3-5 years	multi mater	yes	data	1	3
193	Sports and leisure	Water equipment	recreational	Swimming pool	PVC, LDPE	often	5-10 years	multi mater	yes	lab.	2	3
194	Sports and leisure	Water equipment	recreational	Pool cleaning kit	PP, PVC, HDPE, LDPE	rarely	3-5 years	multi mater	yes	data	1	3
195	Sports and leisure	Water equipment	recreational	Chemical dispenser	PVC	rarely	3-5 years	multi	no	data	3	3
196	Sports and leisure	Water equipment	recreational	Filter cartridge	PP, LDPE	rarely	3-5 years	mono	no	data	1	2
197	Sports and leisure	Water equipment	recreational	Pump hose	PVC, PP, LDP	rarely	3-5 years	multi mater	yes	data	1	3
198	Sports and leisure	Water equipment	recreational	Snorkeling set	PC, PU, PP	rarely	3-5 years	multi	no	data	1	3
199	Sports and leisure	Water equipment	recreational	Diving mask	PC, TPE, PU	rarely	3-5 years	multi mater	yes	data	2	3
200	Sports and leisure	Water equipment	recreational	Ear plugs	TPE	often	0-1 years	mono	no	data	2	2
201	Sports and leisure	Water equipment	recreational	Nose clip	PP, TPE	rarely	0-1 years	mono	no	data	1	2
202	Sports and leisure	Water equipment	recreational	Fins	PP, TPE, PU	rarely	3-5 years	mono	no	data	1	2
203	Sports and leisure	Water equipment	recreational	Swim goggles	PC, TPE, PU	often	1-3 years	multi	no	data	2	3
204	Sports and leisure	Playground equipment		Slid	HDPE, PVC, PU	often	5-10 years	multi mater	yes	data	1	3
205	Sports and leisure	playground equipment		Playhouse	HDPE, PVC, PU, ABS	often	5-10 years	multi mater	yes	data	1	3
206	Sports and leisure	playground equipment		Sandbox	HDPE, PVC, PU, ABS	often	5-10 years	multi mater	yes	data	1	3
207	Sports and leisure	playground equipment		Swings	HDPE, PVC, PP, ABS	often	5-10 years	multi mater	yes	lab.	1	3
208	Sports and leisure	playground equipment		Gymnastic rings	HDPE, PVC, PU, ABS	rarely	5-10 years	multi mater	yes	data	1	3
209	Sports and leisure	playground equipment		Trampoline parts	ABS, PVC, LDPE	rarely	5-10 years	multi mater	yes	data	2	3
210	Sports and leisure	playground equipment		Outdoor fitness equipment parts	ABS, PVC, HDPE, LDPE, PC	rarely	5-10 years	multi mater	yes	data	2	3

211	Sports and leisure	Toys	Musical toys	ABS, PP, PVC, HDPE	often	3-5 years	multi	no	data	1	3
212	Sports and leisure	Toys	Water guns	ABS, PP, PVC, HDPE	often	3-5 years	mono	no	lab.	1	3
213	Sports and leisure	Toys	Water spray toys.	ABS, PP, PVC, HDPE	often	3-5 years	mono	no	data	1	3
214	Sports and leisure	Toys	Snow plays toys	ABS, PP, PVC, HDPE	often	3-5 years	multi	no	data	1	3
215	Sports and leisure	Toys	Inflatable toys	PVC, PU, TPE, EVA	often	3-5 years	multi	no	data	1	3
216	Sports and leisure	Toys	Sandbox toys	ABS, PP, PVC, HDPE	often	3-5 years	multi	no	data	1	3
217	Sports and leisure	Toys	Jump rope	ABS, PP, PVC, HDPE	often	3-5 years	multi	no	data	1	3
218	Sports and leisure	Toys	Toy cars.	ABS, PP, PVC, HDPE	often	3-5 years	multi mater	no	lab.	1	3
219	Sports and leisure	Toys	Building se	ABS, PVC, PP	often	3-5 years	mono	no	data	1	3
220	Sports and leisure	Toys	Blocks	HDPE, TPE, PVC	often	3-5 years	mono	no	data	1	3
221	Sports and leisure	Toys	Barbie	PVC, ABS, TPE	often	3-5 years	multi mater	no	lab.	2	3
222	Sports and leisure	Toys	Ken	PVC, ABS, TPE	often	3-5 years	multi mater	no	data	2	3
223	Sports and leisure	Toys	Toy phone	PVC, ABS, TPE	often	3-5 years	multi	no	data	2	3
224	Sports and leisure	Toys	Dollhouses	PVC, ABS, HDPE	often	3-5 years	multi	no	data	2	3
225	Sports and leisure	Toys	Toy kitchen	PVC, ABS, HDPE	often	3-5 years	multi	no	data	2	3
226	Sports and leisure	Toys	Ball pit balls	TPE, PU	often	3-5 years	mono	no	lab.	2	2
227	Sports and leisure	Toys	Soap bubbles	HDPE, LDPE, PET, PP	often	0-1 years	multi	no	data	1	2
228	Sports and leisure	Toys	Rubik's Cube	ABS	often	3-5 years	mono	no	data	3	3
229	Sports and leisure	Toys	Face paint sticks	PVC, PET, PP	often	0-1 years	mono	no	data	1	3
230	Sports and leisure	Toys	Alphabet letters	HDPE, PVC, ABS, EVA	often	3-5 years	mono	no	data	1	4
231	Sports and leisure	Toys	Drawing board	HDPE, LDPE, PVC, PP	often	3-5 years	multi	no	data	1	3
232	Sports and leisure	Toys	Game cards	PP, PVC	often	3-5 years	mono	no	data	1	3
233	Sports and leisure	Toys	Bathroom toys	PVC, PP, TPE, ABS	often	3-5 years	multi	no	data	1	3
234	Sports and leisure	Toys	Diamond mosaic	PP, PVC, PS	often	3-5 years	multi	no	data	1	3
235	Sports and leisure	Toys	Plasticine accessories	PVC, PP, ABS	often	3-5 years	mono	no	data	1	3
236	Sports and leisure	Toys	Sandglass	PP, ABS, PP	often	3-5 years	multi mater	no	data	1	3

237	Sports and leisure	Imitation jewellery	Ring	PVC, PS, PU	often	3-5 years	mono	no	data	2	3
238	Sports and leisure	Imitation jewellery	Bracelet	PVC, PS, PU	often	3-5 years	mono	no	data	2	3
239	Sports and leisure	Imitation jewellery	Hair rubbers	PVC, PS, PU	often	3-5 years	mono	no	data	2	3
240	Sports and leisure	Imitation jewellery	Hair clips	PVC, PS, PU	often	0-1 years	mono	no	lab.	2	3
241	Sports and leisure	Imitation jewellery	Buttons	PVC, PS, PU	often	3-5 years	mono	no	data	2	3
242	Sports and leisure	Imitation jewellery	Beads	PVC, PS, PU	often	3-5 years	mono	no	data	2	3
243	Sports and leisure	Imitation jewellery	Comb	PVC, PS, PU	often	3-5 years	multi mater	no	lab.	2	3
244	Sports and leisure	Imitation jewellery	Earrings	PVC, PS, PU	often	3-5 years	multi mater	no	data	2	3
245	Sports and leisure	Imitation jewellery	Brooches	PVC, PS, PU	often	3-5 years	multi mater	no	data	2	3
246	Sports and leisure	Imitation jewellery	Hair bow	PVC, PS, PU	often	3-5 years	mono	no	data	2	3
247	Sports and leisure	Imitation jewellery	Wristwatch	PVC, PS, PU	often	3-5 years	multi mater	no	data	2	3
248	Sports and leisure	Bags, suitcases	Travelling suitcase	ABS, PC, PP	often	10-15 years	multi mater	no	lab.	1	3
249	Sports and leisure	Bags, suitcases	Children's suitcase	ABS, PC, PP	often	10-15 years	multi mater	yes	data	1	3
250	Sports and leisure	Bags, suitcases	Backpack base	ABS, PC, PP	often	10-15 years	multi mater	yes	data	1	3
251	Sports and leisure	Bags, suitcases	Card case	ABS, PC, PP	often	3-5 years	multi	no	data	1	3
252	Sports and leisure	Bags, suitcases	Business card case	ABS, PC, PP	often	3-5 years	multi	no	data	1	3
253	Sports and leisure	Bags, suitcases	musical instrument case	ABS, PC, PP	rarely	3-5 years	multi mater	yes	data	1	3
254	Sports and leisure	Bags, suitcases	Plastic sheathed shopping bag	PP, LDPE, HDPE	rarely	3-5 years	multi mater	yes	data	1	2
255	Sports and leisure	Bags, suitcases	Umbrella	PP, PS, TPU	very often	3-5 years	multi mater	yes	lab.	1	3
256	Sports and leisure	Musical goods	Electronics cover	ABS, PC	rarely	3-5 years	mono	no	data	3	3
257	Sports and leisure	Musical goods	Scratch plate	ABS, PC, PVC	rarely	3-5 years	mono	no	data	3	3
258	Sports and leisure	Musical goods	Guitar pick	PC, PA	rarely	0-1 years	mono	no	lab.	3	3
259	Sports and leisure	Musical goods	Microphone case	ABS, PC, PP	rarely	3-5 years	multi mater	yes	data	2	3
260	Sports and leisure	Musical goods	Handbell set	ABS, PVC, PP	rarely	3-5 years	multi mater	yes	data	2	4
261	Sports and leisure	Musical goods	Drum set	ABS, PVC, PP	rarely	3-5 years	multi mater	yes	data	1	3
262	Sports and leisure	Musical goods	Guitar stand.	ABS, PVC, PP	rarely	3-5 years	multi mater	yes	data	1	3

263	Sports and leisure	Musical goods	Guitar footrest	ABS, PVC, PP	rarely	3-5 years	multi mater	yes	data	1	3
264	Sports and leisure	Musical goods	LED console light	ABS, PC, PP	rarely	3-5 years	multi mater	yes	data	3	3
265	Sports and leisure	Musical goods	String winder	ABS, PC	rarely	3-5 years	multi mater	yes	data	3	3
266	Sports and leisure	Musical goods	Tin whistle mouthpiece	ABS, PC	rarely	3-5 years	mono	no	data	3	3
267	Sports and leisure	Musical goods	Guitar nut.	ABS, POM	rarely	3-5 years	mono	no	data	3	3
268	Sports and leisure	Musical goods	Foot tambourine	ABS, PC, TPE	rarely	3-5 years	multi mater	yes	data	3	3
269	Sports and leisure	Musical goods	Guitar string cutters	ABS, PA	rarely	3-5 years	multi mater	yes	data	3	3
270	Sports and leisure	Musical goods	Guitar pick holder	ABS, PC	rarely	3-5 years	multi mater	yes	data	3	3
271	Sports and leisure	Musical goods	Mini shaker	ABS, PC,	rarely	3-5 years	multi mater	yes	data	3	3
272	Sports and leisure	Musical goods	Harmonica case	ABS	rarely	3-5 years	multi mater	yes	data	3	3
273	Sports and leisure	Musical goods	Finger pick	EVA	rarely	0-1 years	multi mater	yes	data	4	4
274	Sports and leisure	Musical goods	Saxophone stand	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	data	3	3
275	Sports and leisure	Musical goods	Ukulele	ABS, PC	rarely	3-5 years	multi mater	yes	data	3	3
276	Sports and leisure	Musical goods	Trumpet	ABS, PC	rarely	3-5 years	multi mater	yes	data	3	3
277	Sports and leisure	Musical goods	Ukulele stand	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	data	3	3
278	Sports and leisure	Musical goods	Violin mute	ABS, PC	rarely	3-5 years	mono	no	data	3	3
279	Sports and leisure	Musical goods	Violin chin rest	ABS, PC	rarely	3-5 years	mono	no	data	3	3
280	Sports and leisure	Musical goods	Bell set	ABS, PC, PP	rarely	3-5 years	multi mater	yes	data	1	3
281	Sports and leisure	Musical goods	Jingle bells	ABS, PC, PP	rarely	3-5 years	multi mater	yes	data	1	3
282	Sports and leisure	Musical goods	Alto ocarina whistle	ABS, PC	rarely	3-5 years	multi mater	yes	data	3	3
283	Sports and leisure	Musical goods	Microphone stand	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	data	3	3
284	Sports and leisure	Musical goods	Castanet	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	data	3	3
285	Sports and leisure	Musical goods	Kazoo	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	data	3	3
286	Sports and leisure	Musical goods	Metallophone mallets	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	data	1	3
287	Sports and leisure	Musical goods	Mouth harmonica.	ABS, PC, PVC	rarely	3-5 years	multi mater	yes	lab.	2	3
288	Sports and leisure	Musical goods	Ukulele strap pins	ABS, PC	rarely	3-5 years	multi mater	yes	data	3	3
289	Household goods	Cleaning supplies	Broom, brush, and dustpan set	PU, ABS, PC	very often	3-5 years	multi mater	no	data	2	3
290	Household goods	Cleaning supplies	Toilet brush	PP, HDPE, LDPE, ABS	very often	3-5 years	multi mater	no	data	1	3

291	Household goods	Cleaning supplies	Toilet brush holder	PP, HDPE, LDPE, ABS	very often	3-5 years	mono	no	data	1	3
292	Household goods	Cleaning supplies	Broom	PVC, HDPE, PP	very often	3-5 years	multi mater	no	data	1	3
293	Household goods	Cleaning supplies	Dustpan	PVC, HDPE, PP	very often	3-5 years	mono	no	lab.	1	3
294	Household goods	Cleaning supplies	Storage baskets	PVC, HDPE, PP	very often	3-5 years	mono	no	data	1	3
295	Household goods	Cleaning supplies	Storage boxes	PVC, HDPE, PP	very often	3-5 years	mono	no	data	1	3
296	Household goods	Cleaning supplies	Garbage bins	PVC, HDPE, PP	very often	3-5 years	mono	no	lab.	1	3
297	Household goods	Cleaning supplies	Wastepaper baskets	PVC, HDPE, PP	very often	3-5 years	mono	no	data	1	3
298	Household goods	Cleaning supplies	Garbage containers,	HDPE, LDPE, PP, PVC	very often	10-15 years	multi mater	no	data	1	3
299	Household goods	Cleaning supplies	Compost bin	PVC, HDPE, PP	often	3-5 years	mono	no	lab.	1	3
300	Household goods	Cleaning supplies	Toilet bowl cleaner blocks	HDPE, LDPE, PP	very often	0-1 years	mono	no	lab.	1	2
301	Household goods	Cleaning supplies	Feather duster	HDPE, LDPE, PP, PVC	rarely	3-5 years	mono	no	data	1	3
302	Household goods	Cleaning supplies	Dust brush	HDPE, LDPE, PP, PVC	rarely	3-5 years	multi mater	no	data	1	3
303	Household goods	Cleaning supplies	Window squeegee	PU, ABS, PVC	rarely	3-5 years	multi mater	yes	data	2	3
304	Household goods	Clothing and shoe care products	Clothespins	PP, PA, HDPE	very often	1-3 years	mono	no	lab.	1	3
305	Household goods	Clothing and shoe care products	Clothespin basket	HDPE, LDPE, PP, PVC	very often	1-3 years	mono	no	data	1	3
306	Household goods	Clothing and shoe care products	Shoe horn	PP, PVC	very often	1-3 years	mono	no	data	2	3
307	Household goods	Clothing and shoe care products	Lint remover	PP, TPE, PET	very often	1-3 years	mono	no	data	1	3
308	Household goods	Clothing and shoe care products	Clothes hangers	PP, PS, PVC	very often	1-3 years	mono	no	lab.	1	3
309	Household goods	Clothing and shoe care products	Wardrobe organizers	PP, PS, PVC	often	1-3 years	mono	no	data	1	3
310	Household goods	Clothing and shoe care products	Lint roller	PP, PS, PVC	very often	0-1 years	multi mater	no	lab.	1	3
311	Household goods	Clothing and shoe care products	Laundry basket	PVC, HDPE, PP	very often	1-3 years	mono	no	data	1	3
312	Household goods	Clothing and shoe care products	Clothing brushes	PP, TPE, PET	often	1-3 years	multi mater	no	data	1	3
313	Household goods	Clothing and shoe care products	Garment bags	PVC, LDPE, PP	very often	1-3 years	multi mater	no	data	1	3

314	Household goods	Clothing and shoe care products	Clothes drying rack	PP, PS, PVC	very often	1-3 years	multi mater	no	data	1	3
315	Household goods	Clothing and shoe care products	Shoe organizer	PP, PS, PVC	often	1-3 years	mono	no	data	1	3
316	Household goods	Clothing and shoe care products	Shoe storage boxes	PP, PA, LDPE	often	1-3 years	mono	no	data	1	2
317	Household goods	Clothing and shoe care products	Vacuum storage bags	PP, PA, LDPE	very often	1-3 years	multi mater	no	data	1	2
318	Household goods	Landscaping equipment and tools	Storage baskets	HDPE, PVC, PP	often	1-3 years	mono	no	data	1	3
319	Household goods	Landscaping equipment and tools	Storage boxes	HDPE, PVC, PP	often	1-3 years	mono	no	data	1	3
320	Household goods	Landscaping equipment and tools	Rake	PP, HDPE, ABS	very often	1-3 years	multi	no	data	1	3
321	Household goods	Landscaping equipment and tools	Watering can	PP, HDPE, ABS	very often	1-3 years	mono	no	data	1	3
322	Household goods	Landscaping equipment and tools	Bucket	PP, HDPE, ABS	very often	1-3 years	mono	no	lab.	1	3
323	Household goods	Landscaping equipment and tools	Bowl	PP, HDPE, ABS	very often	1-3 years	mono	no	data	1	3
324	Household goods	Landscaping equipment and tools	Barrel	PP, HDPE, ABS	often	1-3 years	mono	no	data	1	3
325	Household goods	Landscaping equipment and tools	Boxes for the garage	PP, HDPE, ABS	often	1-3 years	mono	no	lab.	1	3
326	Household goods	Landscaping equipment and tools	waste collection tool	PP, HDPE, ABS	rarely	1-3 years	multi mater	yes	data	1	3
327	Household goods	Landscaping equipment and tools	Leaf blower	PP, HDPE, ABS, PVC	rarely	10-15 years	multi mater	yes	data	1	3
328	Household goods	Landscaping equipment and tools	Leaf picker	PP, HDPE, ABS	rarely	1-3 years	multi mater	yes	data	1	3
329	Household goods	Landscaping equipment and tools	Snow blower	PP, HDPE, ABS, PVC	rarely	3-5 years	multi mater	yes	data	1	3
330	Household goods	Storage of food	Containers for food storage	PP, HDPE, LDPE, PET, PS	very often	10-15 years	multi	no	lab.	1	3
331	Household goods	Storage of food	Spice storage boxes	PP, HDPE, LDPE, PET, PS	very often	1-3 years	multi	no	data	1	3

332	Household goods	Storage of food	Container for fresh herbs	PP, HDPE, LDPE, PET, PS	rarely	1-3 years	multi	no	data	1	3
333	Household goods	Storage of food	Lunch boxes	PP, HDPE, LDPE, PET, PS	very often	1-3 years	mono	no	data	1	3
334	Household goods	Storage of food	Bread boxes	PP, HDPE, LDPE, PET, PS	very often	1-3 years	multi	no	data	1	3
335	Household goods	Storage of food	Box for eggs	PP, HDPE, LDPE, PET, PS	very often	1-3 years	mono	no	data	1	3
336	Household goods	Storage of food	Vegetable storage box	PP, HDPE, LDPE, PET, PS	very often	1-3 years	mono	no	data	1	3
337	Household goods	Storage of food	Cake stand	PP, HDPE, LDPE, PET, PS	often	1-3 years	mono	no	data	1	3
338	Household goods	Storage of food	Refrigerator organizers	PP, HDPE, LDPE, PET, PS	often	1-3 years	multi	no	data	1	3
339	Household goods	Toilet paper, paper towels, and holders	Toilet paper holder	PP, PVC, PS	very often	3-5 years	mono	no	data	1	3
340	Household goods	Toilet paper, paper towels, and holders	Paper towel holder	PP, PVC, PS	very often	3-5 years	mono	no	data	1	3
341	Household goods	Toilet paper, paper towels, and holders	Soap dish holder	PP, PVC, PS	very often	3-5 years	mono	no	data	1	3
342	Household goods	Cooking supplies	Vegetable peeler.	ABS, PP, PC	very often	3-5 years	multi mater	yes	data	1	3
343	Household goods	Cooking supplies	Fruit peeler	ABS, PP, PC	very often	3-5 years	multi mater	yes	data	1	3
344	Household goods	Cooking supplies	Knife	PP, PC, PA	very often	3-5 years	multi mater	yes	data	1	4
345	Household goods	Cooking supplies	Strainer	PP, HDPE, LDPE, PET, PS	very often	3-5 years	mono	no	lab.	1	3
346	Household goods	Cooking supplies	Sieves	PP, HDPE, LDPE, PET, PS	very often	3-5 years	mono	no	data	1	3
347	Household goods	Cooking supplies	Coasters	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	data	1	3
348	Household goods	Cooking supplies	Shaker	PP, PC	often	3-5 years	mono	no	data	1	3
349	Household goods	Cooking supplies	Napkin holder	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	data	1	3
350	Household goods	Cooking supplies	Cake platter	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	data	1	3
351	Household goods	Cooking supplies	Salt shaker	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	data	1	3
352	Household goods	Cooking supplies	Piping bag	PP, ABS, PA	often	3-5 years	mono	no	data	1	3
353	Household goods	Cooking supplies	Meat thermometer.	PP, PPV	often	3-5 years	mono	no	data	1	3
354	Household goods	Cooking supplies	Pasta spoon	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	data	1	4
355	Household goods	Cooking supplies	Jug	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	data	1	3

356	Household goods	Cooking supplies	Cutting boards	PP, HDPE, LDPE, PET, PS	often	3-5 years	mono	no	lab.	1	3
357	Household goods	Cooking supplies	Egg slicers	PP, HDPE, LDPE, PC, PS	often	3-5 years	multi mater	yes	data	1	3
358	Household goods	Cooking supplies	Cheese slicers	PP, HDPE, LDPE, PC, PS	often	3-5 years	multi mater	yes	data	1	3
359	Household goods	Cooking supplies	Molds	PP, SI	often	3-5 years	mono	no	data	1	3
360	Household goods	Cooking supplies	Masher	PP, PA, SI	often	3-5 years	mono	no	data	1	3
361	Household goods	Cooking supplies	Salt and pepper grinder	PP, ABS, PC	often	3-5 years	multi mater	yes	data	1	3
362	Household goods	Cooking supplies	Bag clips	LDPE, HDPE, PP, PVC	often	3-5 years	mono	no	data	1	3
363	Household goods	Cooking supplies	Kitchen press	PP, PC, PVC	often	3-5 years	multi mater	yes	data	1	3
364	Household goods	Cooking supplies	Grinders	PP, PC, LDPE, HDPE	often	3-5 years	multi mater	yes	data	1	3
365	Household goods	Cooking supplies	Bowl	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
366	Household goods	Cooking supplies	Spoons	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
367	Household goods	Cooking supplies	Spatulas	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
368	Household goods	Cooking supplies	Tong	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
369	Household goods	Cooking supplies	Rolling pins	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
370	Household goods	Cooking supplies	Can openers	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
371	Household goods	Cooking supplies	Bottle openers	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
372	Household goods	Cooking supplies	Jar openers	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
373	Household goods	Cooking supplies	Hammer	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
374	Household goods	Cooking supplies	Timer	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
375	Household goods	Cooking supplies	Grater	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
376	Household goods	Cooking supplies	grater with interchangeable blades	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
377	Household goods	Cooking supplies	Scissors	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
378	Household goods	Cooking supplies	Tray	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	lab.	1	3
379	Household goods	Cooking supplies	Measuring cups	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
380	Household goods	Cooking supplies	Whisks	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
381	Household goods	Cooking supplies	Corkscrew	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3

382	Household goods	Cooking supplies	Salad spinner	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
383	Household goods	Cooking supplies	Manual bottle capper	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
384	Household goods	Cooking supplies	Bottle capper	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
385	Household goods	Cooking supplies	Fermentation airlock	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
386	Household goods	Cooking supplies	Bottle drying rack	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
387	Household goods	Cooking supplies	Funnels	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
388	Household goods	Cooking supplies	Jar	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
389	Household goods	Cooking supplies	Ice bucket	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
390	Household goods	Cooking supplies	Bowl	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	lab.	1	3
391	Household goods	Cooking supplies	Cutlery organizer	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
392	Household goods	Cooking supplies	drawer silverware organizer	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
393	Household goods	Cooking supplies	Dish rack	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
394	Household goods	Cooking supplies	Cake decorator tool	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
395	Household goods	Cooking supplies	Onion cutter	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
396	Household goods	Cooking supplies	Culinary torch	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
397	Household goods	Cooking supplies	Potato slicer	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
398	Household goods	Cooking supplies	Meat mallet	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
399	Household goods	Cooking supplies	Kitchen scale	PP, PC, LDPE, HDPE, SI	often	3-5 years	multi mater	yes	data	1	3
400	Household goods	Cooking supplies	Butter dish	PP, PC, LDPE, HDPE, SI	often	3-5 years	mono	no	data	1	3
401	Household goods	Cooking supplies	Pastry brush	PP, PA, SI	often	3-5 years	multi	no	data	1	4
402	Household goods	Cooking supplies	Coffee capsules	PP, LDPE	often	0-1 years	mono	no	lab.	1	2
403	Household goods	Thermoses, travel mugs, and water bottles	Water bottles	PP, LDPE, HDPE, PC	often	1-3 years	multi	no	data	1	3
404	Household goods	Thermoses, travel mugs, and water bottles	Travel mug	PP, LDPE, HDPE, PC	often	3-5 years	multi	no	data	1	3
405	Household goods	Thermoses, travel mugs, and water bottles	Thermal pot	PP, LDPE, HDPE, PC	often	3-5 years	multi mater	yes	data	1	3
406	Household goods	Thermoses, travel mugs, and water bottles	Travel mug lid	PP, LDPE, HDPE, PC	often	1-3 years	mono	no	data	1	3

407	Household goods	Thermoses, travel mugs, and water bottles	Water bottle cap	PP, LDPE, HDPE, PVC, PET	often	3-5 years	mono	no	data	1	3
408	Household goods	Grave care products	Grave candle	PP, LDPE, HDPE, PVC, PET	very often	0-1 years	multi mater	yes	data	1	3
409	Household goods	Grave care products	Vase	PP, LDPE, HDPE, PVC, PET	very often	0-1 years	mono	no	data	1	3
410	Household goods	Grave care products	Artificial flowers	PP, LDPE, HDPE, PVC, PET	very often	0-1 years	mono	no	lab.	1	3
411	Household goods	For harvesting, storage, and preserving	Juice extraction tools	PP, LDPE, PET	rarely	5-10 years	multi mater	yes	data	1	2
412	Household goods	For harvesting, storage, and preserving	Berry picking and cleaning equipment	PP, LDPE, PET	rarely	5-10 gadi	multi mater	yes	data	1	2
413	Household goods	For harvesting, storage, and preserving	Jar lids	PP, LDPE, PET	very often	1-3 years	mono	no	data	1	2
414	Household goods	For harvesting, storage, and preserving	Bottle and jar sealing equipment	PP, LDPE, PET	rarely	5-10 years	multi mater	yes	data	1	2
415	Household goods	Pet products	Dog bowl	PP, LDPE, PET	often	3-5 years	mono	no	data	1	2
416	Household goods	Pet products	Muzzle	PP, LDPE, PET	often	3-5 years	multi mater	no	lab.	1	2
417	Household goods	Pet products	Dog house	PP, LDPE, PC	rarely	3-5 years	multi	no	data	1	3
418	Household goods	Pet products	Chicken incubator	PP, LDPE, PC	rarely	3-5 years	multi	no	data	1	3
419	Household goods	Pet products	Dog ramp	PP, LDPE	rarely	3-5 years	multi mater	no	data	1	2
420	Household goods	Pet products	Filters for watering troughs and fountains	PP, PVC, PET	rarely	3-5 years	mono	no	data	1	3
421	Household goods	Pet products	Automatic pet feeder	PP, LDPE, PET, PVC	often	3-5 years	multi	no	data	1	3
422	Household goods	Pet products	bowl attachment for dog houses	PP, LDPE, HDPE, PVC, PET	rarely	3-5 years	multi	no	data	1	2
423	Household goods	Pet products	Mat under the water dish	PVC, LDPE	rarely	3-5 years	mono	no	data	2	3
424	Household goods	Pet products	Water bottle with foldable bowl	PP, PET, LDPE	rarely	3-5 years	multi mater	no	data	1	2
425	Household goods	Pet products	Container for dry food storage	PP, PET, LDPE	very often	3-5 years	mono	no	data	1	2
426	Household goods	Pet products	Dog toy ball	PU, TPE	very often	3-5 years	mono	no	data	2	2
427	Household goods	Pet products	Flying disc for dogs	PU, TPE	rarely	3-5 years	mono	no	data	2	2

428	Household goods	Pet products	Hunting whistle	PP, ABS, PC	rarely	3-5 years	mono	no	data	1	3
429	Household goods	Pet products	Pet brush	PP, PET, LDPE, HDPE, PA	often	3-5 years	multi mater	no	data	1	3
430	Household goods	Pet products	Pet hair detangle	PP, PET, LDPE, HDPE, PA	rarely	3-5 years	multi mater	no	data	1	4
431	Household goods	Pet products	Paw pad trimming knife	PP, PET, LDPE, HDPE, PA	rarely	3-5 years	multi mater	no	data	1	4
432	Household goods	Pet products	Pet grooming scissors	PP, PET, LDPE, HDPE, PA	often	3-5 years	multi mater	no	data	1	4
433	Household goods	Pet products	Pet nail clippers	PP, PET, LDPE, HDPE, PA	often	3-5 years	multi mater	no	data	1	4
434	Household goods	Pet products	Finger toothbrushes	PU, TPE, LDPE, PP	often	3-5 years	mono	no	data	1	4
435	Household goods	Pet products	Tick removal tool	PP, PET	often	3-5 years	mono	no	data	1	4
436	Household goods	Pet products	Portable tub on stand	PP, PET, LDPE, HDPE, ABS	rarely	3-5 years	mono	no	data	1	1
437	Household goods	Pet products	Waste bag dispenser	PP, LDPE, HDPE	very often	3-5 years	multi mater	no	data	1	3
438	Household goods	Pet products	Pet travel crate	PP, LDPE, PET	often	3-5 years	multi mater	no	data	1	2
439	Household goods	Pet products	Bowl for cats	PP, LDPE, PET	very often	3-5 years	mono	no	data	1	2
440	Household goods	Pet products	Cat litter box	PP, LDPE, PET	very often	3-5 years	multi	no	data	1	2
441	Household goods	Pet products	Cat litter scoop	PP, LDPE, PET	often	3-5 years	mono	no	data	1	2
442	Household goods	Pet products	Scoop for dry food	PP, LDPE, PET	often	3-5 years	mono	no	data	1	2
443	Household goods	Pet products	Water bowl	PP, LDPE, PET	very often	3-5 years	mono	no	data	1	2
444	Household goods	Pet products	Water bottle for rodents	PP, PVC, PET	often	3-5 years	multi	no	data	1	3
445	Household goods	Pet products	Cage for small rodents	PP, PVC, PET	often	3-5 years	multi mater	no	data	1	3
446	Household goods	Pet products	Travel carrier for rodents	PP, PVC, PET	often	3-5 years	multi mater	no	data	1	3
447	Household goods	Pet products	Rodent travel carrier	PP, PVC, PET	rarely	3-5 years	multi mater	no	data	1	3
448	Household goods	Pet products	Aquarium plant	PVC, LDPE	rarely	3-5 years	mono	no	data	2	3
449	Household goods	Pet products	Aquarium air pump	PP, PET, PC	rarely	3-5 years	multi mater	no	data	1	1
450	Household goods	Pet products	Carbon filter cartridge	PP, PET	rarely	3-5 years	multi mater	no	data	1	3
451	Household goods	Pet products	Aquarium thermometer	PP, PET, LDPE, HDPE, ABS	rarely	3-5 years	mono	no	data	1	3

452	Household goods	Pet products	Aquarium light	PP, PET, PC	rarely	3-5 years	multi mater	no	data	1	3
453	Household goods	Pet products	Automatic feeder. fish	PP, PET, PC	rarely	3-5 years	multi	no	data	1	3
454	Household goods	Pet products	Reflective leash	PP, PVC, LDPE, HDPE, PET	rarely	3-5 years	multi mater	no	data	1	3
455	Household goods	Baby products	Kids' umbrella	PP, PS, TPU	often	3-5 years	multi mater	no	data	1	3
456	Household goods	Baby products	Kids' sunglasses	PVC, LDPE, HDPE, PET	often	3-5 years	multi mater	no	data	1	3
457	Household goods	Baby products	Kids' bowl	PP, HDPE	very often	1-3 years	mono	no	data	1	1
458	Household goods	Baby products	Kids' fork	PP, HDPE	very often	1-3 years	mono	no	data	1	1
459	Household goods	Baby products	Kids' spoon	PP, HDPE	very often	1-3 years	mono	no	data	1	1
460	Household goods	Baby products	Kids' plate	PP, HDPE	very often	1-3 years	mono	no	data	1	1
461	Household goods	Baby products	Kids' water bottle	PP, HDPE, PC	very often	1-3 years	multi mater	yes	data	1	3
462	Household goods	Baby products	Kids' lunchbox	PP, HDPE, LDPE, PC	very often	1-3 years	multi	no	data	1	3
463	Household goods	Baby products	Kids' makeup bo	PP, HDPE, LDPE, PC	very often	1-3 years	multi	no	data	1	3
464	Household goods	Baby products	High chair	PP, HDPE, LDPE, PC	very often	5-10 years	multi mater	no	data	1	3
465	Household goods	Baby products	Infant bath	PP, HDPE, LDPE, PC, ABS	very often	5-10 years	mono	no	data	1	3
466	Household goods	Baby products	Infant bath mat	PP, HDPE, LDPE, PC, ABS	very often	5-10 years	multi mater	no	data	1	3
467	Household goods	Baby products	Potty	PP, HDPE, LDPE, PC, ABS	very often	3-5 years	mono	no	lab.	1	3
468	Household goods	Baby products	Potty training seat	PP, HDPE, LDPE, PC, ABS	very often	3-5 years	multi mater	no	data	1	3
469	Household goods	Baby products	Infant walker	PP, HDPE, LDPE, PC	very often	5-10 years	multi mater	no	data	1	3
470	Household goods	Baby products	Step stool	PP, HDPE, LDPE, PC	very often	5-10 years	multi mater	no	data	1	3
471	Household goods	Baby products	Kids' rocking chair	PP, HDPE, LDPE, PC	very often	5-10 years	multi mater	no	data	1	3
472	Household goods	Baby products	Pacifier clip	PP, HDPE, LDPE,	very often	1-3 years	multi mater	no	data	1	2
473	Household goods	Baby products	Pacifier	PP, HDPE, LDPE,	very often	1-3 years	multi mater	no	data	1	2
474	Household goods	Baby products	Bib	PP, HDPE, LDPE,	very often	1-3 years	mono	no	data	1	2
475	Household goods	Baby products	Breast pump kit	PP, HDPE, LDPE, PC, ABS	very often	3-5 years	multi mater	yes	data	1	2
476	Household goods	Baby products	Parts for pushchairs	PP, HDPE, LDPE, TPE	very often	5-10 years	multi mater	yes	data	1	2
477	Household goods	Baby products	Parts for car seats	PP, HDPE, LDPE, TPE	very often	5-10 years	multi mater	yes	data	1	2
478	Household goods	Baby products	Corner protector	PP, HDPE, LDPE, TPE	very often	1-3 years	mono	no	data	1	2

479	Household goods	Baby products		Baby gate	PP, HDPE, LDPE, TPE	very often	1-3 years	multi mater	yes	data	1	2
480	Household goods	Baby products		Food warmer	PP, HDPE, LDPE, PC	very often	5-10 years	multi mater	yes	data	1	3
481	Household goods	Baby products		Sterilizer	PP, HDPE, LDPE, PC	very often	5-10 years	multi mater	yes	data	1	3
482	Household goods	Baby products		Food chopper	PP, HDPE, LDPE, PC, ABS	very often	5-10 years	multi mater	yes	data	1	3
483	Household goods	Decorations, accessories	party	Christmas tree	PP, HDPE, LDPE, PC, PVC	very often	10-15 years	mono	no	lab.	1	3
484	Household goods	Decorations, accessories	party	Advent wreaths	PP, HDPE, LDPE, PC, PVC	very often	3-5 years	mono	no	data	1	3
485	Household goods	Decorations, accessories	party	Christmas tree decorations	PP, HDPE, LDPE, PC, PVC	very often	3-5 years	mono	no	data	1	3
486	Household goods	Decorations, accessories	party	Christmas lights	PP, HDPE, LDPE, PC, PVC	very often	3-5 years	multi mater	yes	data	1	3
487	Household goods	Decorations, accessories	party	Advent candle holder	PP, HDPE, LDPE, PC, PVC	very often	3-5 years	multi mater	yes	data	1	3
488	Household goods	Decorations, accessories	party	Decorations	PP, HDPE, LDPE, PC, PVC	very often	1-3 years	multi mater	yes	data	1	3
489	Household goods	Decorations, accessories	party	Glasses	PP, HDPE, LDPE, PC, PVC	very often	1-3 years	mono	no	data	1	3
490	Household goods	Decorations, accessories	party	Plates	PP, HDPE, LDPE, PC, PVC	very often	1-3 years	mono	no	data	1	3
491	Household goods	Decorations, accessories	party	Straws	PP, HDPE, LDPE, PC, PVC	very often	1-3 years	mono	no	data	1	3
492	Household goods	Decorations, accessories	party	Party popper	PP, HDPE, LDPE, TPE	very often	1-3 years	multi mater	no	data	1	2
493	Household goods	Decorations, accessories	party	Hoops	PP, HDPE, LDPE, PET, PVC	very often	1-3 years	multi mater	no	data	1	3
494	Household goods	Decorations, accessories	party	Glasses	PP, HDPE, LDPE, PET, PVC	very often	1-3 years	multi mater	no	data	1	3
495	Household goods	Decorations, accessories	party	Helium balloon pumps.	PP, PVC, HDPE, LDPE	very often	1-3 years	multi mater	no	data	1	3
496	Household goods	Decorations, accessories	party	Balloon stand	PP, PVC, HDPE, LDPE	very often	1-3 years	mono	no	data	1	3
497	Household goods	Decorations, accessories	party	Bubble solution container	PP, PVC, HDPE, LDPE, PET	very often	1-3 years	multi	no	data	1	3

498	Household goods	Decorations, accessories	party	Artificial flowers, bouquets	PP, LDPE, HDPE, PVC, PET	very often	1-3 years	mono	no	data	1	3
499	Household goods	Decorations, accessories	party	Decorative plastic eggs	PP, LDPE, HDPE, PVC, PET	very often	1-3 years	mono	no	data	1	3
500	Household goods	Sewing supplies		Circular knitting set	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
501	Household goods	Sewing supplies		Circular knitting needles	PP, ABS, PC	often	1-3 years	mono	no	data	1	3
502	Household goods	Sewing supplies		Fabric scissors	PP, HDPE, LDPE, ABS	often	1-3 years	multi mater	no	data	1	2
503	Household goods	Sewing supplies		Snap fastener pliers	PP, HDPE, LDPE	often	1-3 years	multi mater	no	data	1	3
504	Household goods	Sewing supplies		Plastic beads	PP, PC, HDPE, LDPE, PVC	often	1-3 years	mono	no	data	1	3
505	Household goods	Sewing supplies		Plastic needle	PP, ABS, PC	very often	1-3 years	mono	no	data	1	3
506	Household goods	Sewing supplies		Craft ring	PP, HDPE, LDPE, PVC	rarely	1-3 years	mono	no	data	1	3
507	Household goods	Sewing supplies		Embroidery hoops	PP, HDPE, LDPE, PVC	rarely	1-3 years	mono	no	data	1	3
508	Household goods	Sewing supplies		Cable needles	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
509	Household goods	Sewing supplies		Snap fasteners	PP, PC, PVC, ABS	often	1-3 years	mono	no	data	1	3
510	Household goods	Sewing supplies		Felting needle with handle.	PP, ABS, PC	rarely	1-3 years	multi mater	no	data	1	3
511	Household goods	Sewing supplies		Presser foot	PP, ABS	rarely	1-3 years	mono	no	data	1	3
512	Household goods	Sewing supplies		Plastic carabine	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
513	Household goods	Sewing supplies		Swivel clasp	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
514	Household goods	Sewing supplies		Cube/beads	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
515	Household goods	Sewing supplies		Clothing adjuster	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
516	Household goods	Sewing supplies		Sewing machine bobbin	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
517	Household goods	Sewing supplies		Plastic craft eye	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
518	Household goods	Sewing supplies		Crochet hook	PP, ABS, PC	rarely	1-3 years	mono	no	data	1	3
519	Household goods	Sewing supplies		Pinking shears	PP, HDPE, LDPE	rarely	1-3 years	multi mater	no	data	1	2
520	Household goods	Sewing supplies		Zipper	PP, PC, PVC, ABS	often	1-3 years	mono	no	lab.	1	3
521	Household goods	Sewing supplies		Buttons	PP, PC, PVC, ABS	often	1-3 years	mono	no	data	1	3
522	Household goods	Sewing supplies		Snap fasteners	PP, PC, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
523	Household goods	Sewing supplies		Buckle	PP, PC, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
524	Household goods	Sewing supplies		Thimble	PP, PC, HDPE	often	1-3 years	mono	no	data	1	3

525	Household goods	Sewing supplies	Craft organizer supplies	PP, PC, PVC, ABS	often	1-3 years	multi mater	no	data	1	3
526	Household goods	Sewing supplies	Thread organizer	PP, PC, PVC, ABS	often	3-5 years	multi mater	no	data	1	3
527	Household goods	Sewing supplies	Safety pins	PP, PC, PVC, ABS	often	1-3 years	multi mater	no	data	1	3
528	Household goods	Sewing supplies	Knitting markers	PP, PC, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
529	Household goods	Sewing supplies	Seam joints	PP, PC, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
530	Household goods	Sewing supplies	Embroidery hoop	PP, HDPE, LDPE, PVC	rarely	1-3 years	mono	no	data	1	3
531	Household goods	Sewing supplies	Floss organizer	PP, PC, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
532	Household goods	Sewing supplies	Needle gauge	PP, PC, PVC, ABS	rarely	1-3 years	mono	no	data	1	3
533	Household goods	Sewing supplies	Needle case	PP, PC, PVC, ABS	rarely	1-3 years	multi mater	no	data	1	3
534	Household goods	Sewing supplies	Curtain rings	PP, PVC, ABS	often	1-3 years	mono	no	data	1	3
535	Household goods	Sewing supplies	Hot glue guns	PP, TPE	often	3-5 years	multi mater	no	lab.	1	2
536	Household goods	Sewing supplies	Hot glue sticks	LDPE, PP	often	0-1 years	mono	no	data	1	2
537	Household goods	Floral supplies	Brooch base for flower rosettes	PP, PVC, HDPE	rarely	0-1 years	multi	no	data	1	3
538	Household goods	Floral supplies	Water tube for flowers	PP, PVC, HDPE	rarely	0-1 years	mono	no	data	1	3
539	Household goods	Floral supplies	Card holder	PP, PVC, HDPE	rarely	1-3 years	mono	no	data	1	3
540	Household goods	Floral supplies	Floristry knife	PP, PVC, HDPE	rarely	1-3 years	multi mater	no	data	1	3
541	Household goods	Floral supplies	Flower oasis	PP, PVC, HDPE	rarely	1-3 years	mono	no	data	1	3
542	Household goods	Floral supplies	Plastic candle holder	PP, PVC, HDPE, PET	often	1-3 years	mono	no	data	1	3
543	Household goods	Floral supplies	One-off floral vase	PP, PVC, HDPE, PET	rarely	0-1 years	mono	no	data	1	3
544	Household goods	Floral supplies	Small decorations	PP, PVC, HDPE	rarely	1-3 years	multi mater	no	data	1	3
545	Household goods	Floral supplies	Lean greens	PP, PVC, HDPE	often	1-3 years	mono	no	data	1	3
546	Household goods	Floral supplies	Bouquet holder	PP, PVC, HDPE	often	1-3 years	mono	no	data	1	3
547	Household goods	Stationery	Marker	PVC, PET, PP ABS	often	0-1 years	multi mater	no	lab.	1	3
548	Household goods	Stationery	Felt-tip pens	PVC, PET, PP ABS	often	0-1 years	multi mater	no	data	1	3
549	Household goods	Stationery	Ruler	PC	very often	0-1 years	mono	no	data	3	3
550	Household goods	Stationery	Pen	PP, PC	very often	0-1 years	multi mater	no	data	1	3
551	Household goods	Stationery	Ballpoint pens in a stand	PP, PC	rarely	0-1 years	multi mater	no	data	1	3
552	Household goods	Stationery	Technical pens	ABS, PP	rarely	0-1 years	multi mater	no	data	1	3
553	Household goods	Stationery	Pencil	PP, PS, PC	very often	0-1 years	multi mater	no	data	1	3

554	Household goods	Stationery	Pencil sharpener	ABS, PP, PVC	very often	0-1 years	multi mater	no	data	1	3
555	Household goods	Stationery	Scissors	ABS, PP, PVC	very often	1-3 years	multi mater	no	data	1	3
556	Household goods	Stationery	Document box	ABS, PP, PVC, PS	rarely	1-3 years	mono	no	data	1	3
557	Household goods	Stationery	Document rack	ABS, PP, PVC, PS	rarely	1-3 years	mono	no	lab.	1	3
558	Household goods	Stationery	Note paper holder	ABS, PP, PVC, PC	often	1-3 years	mono	no	data	1	3
559	Household goods	Stationery	Door sign	ABS, PP, PVC, PS	rarely	1-3 years	mono	no	data	1	3
560	Household goods	Stationery	Glue packaging	PET, PP, HDPE	often	1-3 years	mono	no	data	1	2
561	Household goods	Stationery	Tape dispenser	PET, PP, HDPE, LDPE	rarely	1-3 years	mono	no	data	1	2
562	Household goods	Stationery	Tape gun	ABS, PP	rarely	1-3 years	multi mater	no	data	1	3
563	Household goods	Stationery	Plastic folder	PET, PP, HDPE, LDPE	often	1-3 years	mono	no	lab.	1	2
564	Household goods	Stationery	Binding machine	ABS, PP, PVC, HDPE	rarely	1-3 years	multi mater	yes	data	1	3
565	Household goods	Stationery	Stapler	ABS, PP, PVC	often	3-5 years	multi mater	yes	data	1	3
566	Household goods	Stationery	Staple remover	ABS, PP, PVC	often	3-5 years	multi mater	yes	data	1	3
567	Household goods	Stationery	Paper punch	ABS, PP, PVC	often	3-5 years	multi mater	yes	data	1	3
568	Household goods	Stationery	Water containers for brushes	HDPE, LDPE, PP	rarely	0-1 years	mono	no	data	1	2
569	Household goods	Stationery	Paint mixing palette	HDPE, LDPE, PP	rarely	0-1 years	mono	no	data	1	2
570	Household goods	Stationery	Magnifying glass	PP, PET, PC	rarely	3-5 years	multi mater	yes	data	1	3
571	Household goods	Stationery	Calculator	ABS, PP, PC	often	3-5 years	mono	no	data	1	3
572	Household goods	Stationery	Hole punch	ABS, PP, PC	often	3-5 years	multi mater	yes	data	1	3
573	Household goods	Stationery	Stamp	ABS, PP, PC, PVC	rarely	3-5 years	multi mater	yes	data	1	3
574	Household goods	Stationery	Stamp pad	PU, TPE	rarely	3-5 years	multi mater	no	data	2	2
575	Household goods	Stationery	Compass	ABS, PP, PS, PVC	rarely	3-5 years	multi mater	no	data	1	3
576	Household goods	Stationery	Stencils	ABS, PP, PS, PVC, PET	rarely	3-5 years	mono	no	data	1	3
577	Household goods	Stationery	Drawing head	TPE, PVC	rarely	3-5 years	multi mater	no	data	1	3
578	Household goods	Stationery	Drafting board	TPE, PVC	rarely	3-5 years	multi mater	no	data	1	3
579	Household goods	Stationery	Correction tape casing	ABS, PP, PS, PVC	often	0-1 years	multi mater	no	data	1	3
580	Household goods	Stationery	Brushes	TPE, PVC, ABS, PP,	often	0-1 years	multi mater	no	data	1	3
581	Household goods	Stationery	Whiteboard eraser	TPE, PVC, ABS, PP, HDPE	rarely	0-1 years	multi mater	no	data	1	3
582	Household goods	Stationery	Whiteboard markers	TPE, PVC, ABS, PP	rarely	0-1 years	multi mater	no	data	1	3
583	Household goods	Stationery	Binder clip	ABS, PP, PS, PVC, PET	rarely	0-1 years	mono	no	data	1	3

584	Household goods	Stationery	Key ring	TPE, PP, PS, PVC, PET	often	0-1 years	multi mater	no	data	1	3
585	Household goods	Stationery	Paper coils	PP	often	3-5 years	mono	no	data	1	1
586	Household goods	Stationery	File clip	ABS, PP, PVC, TPE	rarely	3-5 years	mono	no	data	1	3
587	Household goods	Stationery	Bookbinding machines	ABS, PP, PVC, TPE	rarely	3-5 years	multi mater	no	data	1	3
588	Household goods	Stationery	Document divider	PP, PVC, PET	rarely	3-5 years	mono	no	data	1	3
589	Household goods	Stationery	Report cover	PP, PVC, PET	often	3-5 years	multi mater	no	data	1	3
590	Household goods	Stationery	Document protector	PP, PVC	very often	1-3 years	mono	no	lab.	1	3
591	Household goods	Stationery	ID card holder	TPE, PP, PS, PVC, PET	rarely	1-3 years	mono	no	data	1	3
592	Household goods	Stationery	Pictogram signs	TPE, PP, PS, PVC, PET	rarely	1-3 years	mono	no	data	1	3
593	Household goods	Stationery	Desk organizer	ABS, PP, PS, PVC, PET	rarely	3-5 years	multi	no	data	1	3
594	Household goods	Stationery	Photo frame	ABS, PP, PS, PVC, PET	very often	3-5 years	multi mater	no	data	1	3
595	Household goods	Stationery	Painting frame	ABS, PP, PS, PVC, PET	often	3-5 years	multi mater	no	data	1	3
596	Household goods	Stationery	Label gun	ABS, PP	rarely	3-5 years	multi mater	no	data	1	3
597	Household goods	Stationery	Monitor cleaning wipes pack	HDPE, LDPE, PP, PET	often	3-5 years	mono	no	data	1	2
598	Household goods	Stationery	Paper clips	PP, PVC, HDPE	rarely	3-5 years	mono	no	data	1	3
599	Household goods	Stationery	Push pins for cork board	ABS, PP, PVC, TPE	rarely	3-5 years	multi mater	no	data	1	3
600	Household goods	Stationery	Cutting mat	ABS, PP, HDPE	rarely	3-5 years	mono	no	data	1	3
601	Household goods	Stationery	Cartridge	ABS, PP, PET, PC	often	3-5 years	mono	no	lab.	1	3
602	Construction industry	Covering	Carpet	PP, PVC	often	3-5 years	multi mater	no	data	1	3
603	Construction industry	Covering	Folding carpet	TPE, EVA	often	3-5 years	multi mater	no	data	2	2
604	Construction industry	Covering	Bathroom rug	PU, TPE, EVA	often	3-5 years	mono	no	data	2	2
605	Construction industry	Covering	Artificial grass	PP, PVC, HDPE, TPE	often	10-15 years	mono	no	lab.	1	3
606	Construction industry	Covering	Lawn edging tape	PP, PVC, HDPE	often	10-15 years	mono	no	data	1	3
607	Construction industry	Covering	Lawn edging	PP, PVC, HDPE, PET	often	10-15 years	mono	no	data	1	3
608	Construction industry	Covering	Fasteners for boards	PP, PVC, HDPE	often	10-20 years	mono	no	data	1	3
609	Construction industry	Covering	Non-slip pads	PP, PVC, HDPE, TPE	often	3-5 years	mono	no	data	1	3
610	Construction industry	Covering	Garden edging	PP, PVC, HDPE, TPE	often	3-5 years	mono	no	data	1	3
611	Construction industry	Ladders and scaffolding	Step stool	PP, PVC, PPA	often	10-20 g years	multi mater	no	data	1	3
612	Construction industry	Screws	Screw covers	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	data	1	3

613	Construction industry	Screws	Wedges	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	data	1	3
614	Construction industry	Screws	Pins	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	data	1	3
615	Construction industry	Screws	Wall plug	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	data	1	3
616	Construction industry	Screws	Crews for fasteners	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	data	1	3
617	Construction industry	Screws	Ceiling track hooks	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	data	1	3
618	Construction industry	Lighting and electrical wiring	Cable ties and organizers	PP, PVC, HDPE, TPE	often	5-10 years	mono	no	lab.	1	3
619	Construction industry	Lighting and electrical wiring	Cable holders	PP, PVC, HDPE, TPE	very often	3-5 years	mono	no	data	1	3
620	Construction industry	Lighting and electrical wiring	Switch	PVC, ABS, HDPE, LDPE	very often	3-5 years	multi mater	yes	data	1	3
621	Construction industry	Lighting and electrical wiring	Power outlet	PVC, ABS, HDPE, LDPE	very often	3-5 years	multi mater	yes	lab.	1	3
622	Construction industry	Lighting and electrical wiring	Cover plate	PVC, ABS, HDPE, LDPE	very often	3-5 years	multi mater	yes	data	1	3
623	Construction industry	Lighting and electrical wiring	Doorbell button	PVC, ABS, HDPE, LDPE, PU	often	3-5 years	multi mater	yes	data	1	3
624	Construction industry	Lighting and electrical wiring	Cable conduit	PVC, ABS, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	lab.	1	3
625	Construction industry	Lighting and electrical wiring	Floor lamps	PVC, ABS, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3
626	Construction industry	Lighting and electrical wiring	Table lamps	PVC, ABS, HDPE, LDPE, PU	often	3-5 years	multi mater	yes	data	1	3
627	Construction industry	Lighting and electrical wiring	Disco light	PVC, ABS, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3
628	Construction industry	Lighting and electrical wiring	Wires	PVC, HDPE, LDPE, PU	often	5-10 years	mono	yes	lab.	1	3
629	Construction industry	Lighting and electrical wiring	Spotlight	PVC, ABS, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3
630	Construction industry	Lighting and electrical wiring	Outdoor lights	PVC, ABS, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3
631	Construction industry	Lighting and electrical wiring	Recessed light	PVC, ABS, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3
632	Construction industry	Lighting and electrical wiring	Thermal tubing	PVC, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3

633	Construction industry	Lighting and electrical wiring	Motion sensor	PVC, HDPE, LDPE, PU	often	5-10 years	multi mater	yes	data	1	3
634	Construction industry	Lighting and electrical wiring	Electronic transformer	PVC, HDPE, LDPE, PU	often	3-5 years	multi mater	yes	data	1	3
635	Construction industry	Lighting and electrical wiring	Power extension cord	PVC, HDPE, LDPE, PU	very often	5-10 years	multi mater	yes	lab.	1	3
636	Construction industry	Lighting and electrical wiring	Power strip	PVC, HDPE, LDPE, PU	very often	5-10 years	multi mater	yes	data	1	3
637	Construction industry	Lighting and electrical wiring	Plug connector	PVC, HDPE, LDPE, PU	very often	5-10 years	multi mater	yes	data	1	3
638	Construction industry	Lighting and electrical wiring	Plug adapter	PVC, HDPE, LDPE, PU	very often	5-10 years	multi mater	yes	data	1	3
639	Construction industry	Lighting and electrical wiring	Meter	PVC, HDPE, LDPE, PU	very often	5-10 years	multi mater	yes	data	1	3
640	Construction industry	Lighting and electrical wiring	Distribution board	PVC, HDPE, LDPE, PU	often	10-15 years	multi mater	yes	data	1	3
641	Construction industry	Doors, windows, and their accessories	internal windowsill	PVC	very often	10-15 years	mono	no	data	3	3
642	Construction industry	Doors, windows, and their accessories	PVC windowsill end cap	PVC	very often	10-15 years	mono	no	data	3	3
643	Construction industry	Doors, windows, and their accessories	PVC window	PVC	very often	10-15 years	mono	no	lab.	3	3
644	Construction industry	Doors, windows, and their accessories	PVC door	PVC	very often	10-15 years	mono	no	data	3	3
645	Construction industry	Doors, windows, and their accessories	Mosquito net	PVC, HDPE, LDPE, PP	very often	10-15 years	mono	yes	data	1	3
646	Construction industry	Doors, windows, and their accessories	Shutter latch	PVC, HDPE, LDPE	very often	5-10 years	multiple mater	yes	data	1	3
647	Construction industry	Doors, windows, and their accessories	Blinds	PVC, HDPE, LDPE, PC, ABS	very often	5-10 years	multi mater	yes	data	1	3
648	Construction industry	Doors, windows, and their accessories	Cassette for blinds	PVC, HDPE, LDPE, PC, ABS	very often	5-10 years	multi mater	yes	data	1	3
649	Construction industry	Workwear and protective equipment	PVC rubber boots	PVC	very often	1-3 years	multi mater	yes	lab.	3	3
650	Construction industry	Workwear and protective equipment	PVC overshoes	PVC	very often	1-3 years	mono	no	data	3	3

651	Construction industry	Workwear and protective equipment	PVC raincoat	PVC	very often	1-3 years	mono	no	data	3	3
652	Construction industry	Workwear and protective equipment	PVC apron	PVC	very often	1-3 years	mono	no	data	3	3
653	Construction industry	Workwear and protective equipment	Safety glasses	PVC	very often	1-3 years	mono	no	data	3	3
654	Construction industry	Workwear and protective equipment	Helmet	PVC, HDPE, LDPE, PU, PP	very often	1-3 years	multi	no	lab.	1	3
655	Construction industry	Workwear and protective equipment	Safety headphones	PVC, HDPE, LDPE, PU, PP	very often	1-3 years	multi	no	data	1	3
656	Construction industry	Workwear and protective equipment	Ear plugs	PVC, HDPE, LDPE, PU, PP	very often	1-3 years	mono	no	data	1	3
657	Construction industry	Workwear and protective equipment	Gloves	PVC, HDPE, LDPE, PU, PP	very often	1-3 years	mono	no	data	1	3
658	Construction industry	Workwear and protective equipment	Face mask with a valve	PVC, HDPE, LDPE, PU, PP	very often	1-3 years	multi mater	yes	data	1	3
659	Construction industry	Workwear and protective equipment	Face shield	PVC, HDPE, LDPE, PU, PP	very often	1-3 years	multi mater	yes	data	1	3
660	Construction industry	Workwear and protective equipment	Climbing rope	PVC, HDPE, LDPE, PU, PP	often	1-3 years	multi mater	no	data	1	3
661	Construction industry	Workwear and protective equipment	Knee pads	PVC, HDPE, LDPE, PU, PP	often	1-3 years	multi mater	no	data	1	3
662	Construction industry	Workwear and protective equipment	Filter	PVC, HDPE, LDPE, PU, PP	often	1-3 years	mono	no	data	1	3
663	Construction industry	Workwear and protective equipment	Gas masks	PVC, HDPE, LDPE, PU, PP	often	1-3 years	multi mater	no	data	1	3
664	Construction industry	Workwear and protective equipment	Respirator	PVC, HDPE, LDPE, PU, PP	often	1-3 years	multi mater	no	data	1	3
665	Construction industry	Measuring instrument	Ruler	PP, HDPE, ABS	often	5-10 years	mono	no	data	1	3
666	Construction industry	Measuring instrument	Protractor	PP, HDPE, ABS	often	5-10 years	multi	no	data	1	3
667	Construction industry	Measuring instrument	Contour gauge	PP, HDPE, ABS	rarely	5-10 years	multi	no	data	1	3
668	Construction industry	Measuring instrument	Spirit levels	PP, HDPE, ABS	rarely	5-10 years	multi mater	no	data	1	3
669	Construction industry	Measuring instrument	Rotary lasers	PP, HDPE, ABS	rarely	5-10 years	multi mater	yes	data	1	3
670	Construction industry	Measuring instrument	Laser distance meter	PP, HDPE, ABS	rarely	5-10 years	multi mater	yes	data	1	3

671	Construction industry	Measuring instrument	Folding rulers	PP, HDPE, ABS	rarely	5-10 years	multi	no	data	1	3
672	Construction industry	Tools	Tile cutter	PP, HDPE, ABS	often	5-10 years	multi mater	yes	data	1	3
673	Construction industry	Tools	Paint tray	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
674	Construction industry	Tools	Bucket	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
675	Construction industry	Tools	Mortar tub	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
676	Construction industry	Tools	Mortar bucket	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
677	Construction industry	Tools	Wallpaper knife	PP, HDPE, ABS	often	5-10 gadi	multi mater	jā	data	1	3
678	Construction industry	Tools	Putty knife	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
679	Construction industry	Tools	Plastic rasp	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
680	Construction industry	Tools	Glass scraper	PP, HDPE, ABS	often	5-10 years	multi mater	no	data	1	3
681	Construction industry	Tools	Pliers	PP, HDPE, ABS	often	5-10 years	multi mater	no	data	1	3
682	Construction industry	Tools	Wire stripper	PP, HDPE, ABS	often	5-10 years	multi mater	no	data	1	3
683	Construction industry	Tools	Locking pliers	PP, HDPE, ABS	often	5-10 years	multi mater	no	data	1	3
684	Construction industry	Tools	Foam gun	PP, HDPE, ABS	often	3-5 years	multi mater	no	data	1	3
685	Construction industry	Tools	Wood saw	PP, HDPE, ABS	often	3-5 years	multi mater	no	data	1	3
686	Construction industry	Tools	Snow shovel	PP, HDPE, ABS	often	3-5 years	multi mater	no	lab.	1	3
687	Construction industry	Tools	Snow pusher	PP, HDPE, ABS	often	3-5 years	multi mater	no	data	1	3
688	Construction industry	Tools	Barrier	PP, HDPE, ABS	often	5-10 years	multi mater	no	data	1	3
689	Construction industry	Tools	Wallpaper roller	PP, HDPE, ABS	often	3-5 years	multi mater	no	data	1	3
690	Construction industry	Tools	Landscape nails	PP, HDPE, ABS	often	3-5 years	multi mater	no	data	1	3
691	Construction industry	Tools	Sanding block	PP, HDPE, ABS	often	3-5 years	mono	no	data	1	3
692	Construction industry	Bathroom supplies	Toilet fill valve	PP, HDPE, ABS, PVC	often	5-10 years	multi mater	no	data	1	3
693	Construction industry	Bathroom supplies	Toilet lid	PP, HDPE, ABS, PVC, PET	very often	3-5 years	mono	no	lab.	1	3
694	Construction industry	Bathroom supplies	Water tank with faucet	PP, HDPE, ABS, PVC	very often	3-5 years	multi mater	no	data	1	3
695	Construction industry	Bathroom supplies	Toilet seat	PP, HDPE, ABS, PVC	very often	3-5 years	mono	no	data	1	3
696	Construction industry	Bathroom supplies	Portable toilet	PP, HDPE, ABS, PVC	very often	3-5 years	multi mater	no	data	1	3
697	Construction industry	Bathroom supplies	Sink	PP, HDPE, ABS, PVC	very often	3-5 years	multi mater	no	data	1	3

698	Construction industry	Bathroom supplies	Shower curtain	PVC	very often	3-5 years	mono	no	data	3	3
699	Construction industry	Bathroom supplies	Shelf	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
700	Construction industry	Bathroom supplies	Hanger	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
701	Construction industry	Bathroom supplies	Hook	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
702	Construction industry	Bathroom supplies	Towel dispenser	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
703	Construction industry	Bathroom supplies	Sink filter	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
704	Construction industry	Bathroom supplies	Shower curtain rod	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
705	Construction industry	Bathroom supplies	Shower curtain hooks	PP, HDPE, LDPE, ABS, PC	very often	3-5 years	mono	no	data	1	3
706	Construction industry	Bathroom supplies	Bathtub	PP, HDPE, LDPE, ABS, PVC	very often	3-5 years	mono	no	data	1	3
707	Construction industry	Plumbing supplies	PVC tank	PVC	often	20-30 years	mono	no	data	3	3
708	Construction industry	Plumbing supplies	Downspout connector	PP, ABS, PVC, HDPE	often	20-30 years	mono	no	data	1	3
709	Construction industry	Plumbing supplies	Gutter end	PP, ABS, PVC, HDPE	often	20-30 years	mono	no	data	1	3
710	Construction industry	Plumbing supplies	Gutter outside corner	PP, ABS, PVC, HDPE	often	20-30 years	mono	no	data	1	3
711	Construction industry	Plumbing supplies	Terminal well	PP, ABS, PVC, HDPE	often	20-30 years	multi mater	no	data	1	3
712	Construction industry	Plumbing supplies	Shower trap	PP, ABS, PVC, HDPE	often	5-10 years	multi mater	no	data	1	3
713	Construction industry	Plumbing supplies	Washing machine hookup	PP, ABS, PVC, HDPE	often	5-10 years	multi mater	no	data	1	3
714	Construction industry	Plumbing supplies	Washing machine trap	PP, ABS, PVC, HDPE	often	5-10 years	multi mater	no	data	1	3
715	Construction industry	Plumbing supplies	Toilet connection sleeve	PP, ABS, PVC, HDPE	rarely	5-10 years	mono	no	data	1	3
716	Construction industry	Plumbing supplies	Toilet shut-off valve	PP, ABS, PVC, HDPE	rarely	5-10 years	mono	no	data	1	3
717	Construction industry	Plumbing supplies	Toilet connection	PP, ABS, PVC, HDPE	rarely	5-10 years	mono	no	data	1	3
718	Construction industry	Plumbing supplies	Toilet supply line elbow	PP, ABS, PVC, HDPE	rarely	5-10 years	mono	no	data	1	3
719	Construction industry	Plumbing supplies	Adapter with washing machine connection	PP, ABS, PVC, HDPE	rarely	5-10 years	multi mater	no	data	1	3
720	Construction industry	Plumbing supplies	Manhole cover	PP, ABS, PVC, HDPE	often	20-30 years	multi mater	no	data	1	3

721	Construction industry	Plumbing supplies	Flexible toilet hose	PP, ABS, PVC, HDPE	often	20-30 years	multi mater	no	lab.	1	3
722	Construction industry	Plumbing supplies	PVC tubes	PVC	often	20-30 years	mono	no	lab.	3	3
723	Construction industry	Plumbing supplies	Gutter connector	PP, ABS, PVC, HDPE	often	5-10 years	mono	no	data	1	3
724	Construction industry	Plumbing supplies	Water collecting tray	PP, ABS, PVC, HDPE	often	5-10 years	mono	no	data	1	3
725	Construction industry	Plumbing supplies	Funnel-compensator	PP, ABS, PVC, HDPE	often	10-15 years	multi mater	no	data	1	3
726	Construction industry	Plumbing supplies	Clamps	PP, ABS, PVC, HDPE	often	10-15 years	multi mater	no	data	1	3
727	Construction industry	Plumbing supplies	Traps	PP, ABS, PVC, HDPE	often	10-15 years	multi mater	no	data	1	3
728	Construction industry	Plumbing supplies	Hose	PP, ABS, PVC, HDPE	often	10-15 years	multi mater	no	data	1	3
729	Construction industry	Plumbing supplies	Drain strainer	PP, ABS, PVC, HDPE	rarely	10-15 years	multi mater	no	data	1	3
730	Construction industry	Plumbing supplies	Drain collector	PP, ABS, PVC, HDPE	rarely	10-15 years	multi mater	no	data	1	3
731	Construction industry	Building materials	PVC finish boards	PVC	often	20-30 years	mono	no	lab.	3	3
732	Construction industry	Building materials	Wall panel	PVC	often	20-30 years	mono	no	data	3	3
733	Construction industry	Building materials	Heat pipe	PP, ABS, PVC, HDPE	rarely	20-30 years	multi mater	no	lab.	1	3
734	Construction industry	Building materials	Geogrid	PP, ABS, PVC, HDPE	often	20-30 years	multi mater	no	data	1	3
735	Construction industry	Building materials	Hedge	PP, ABS, PVC, HDPE	often	20-30 years	multi mater	no	data	1	3
736	Construction industry	Building materials	Tensioning wire for fence	PP, ABS, PC	often	10-15 years	multi mater	no	data	1	3
737	Auto industry	Car supplies	Wiper blades	PP, ABS, PVC, HDPE	very often	3-5 years	multi mater	no	lab.	1	3
738	Auto industry	Car supplies	Ice scraper	PP, ABS, PVC, HDPE	very often	3-5 years	mono	no	data	1	3
739	Auto industry	Car supplies	Snow brush	PP, ABS, PVC, HDPE	very often	3-5 years	multi mater	no	data	1	3
740	Auto industry	Car supplies	Warning triangle	PP, ABS, PVC, HDPE	very often	3-5 years	multi mater	no	data	1	3
741	Auto industry	Car supplies	Roof box	PP, ABS, PVC, HDPE	very often	10-15 years	multi mater	no	data	1	3
742	Auto industry	Car supplies	Funnels	PP, ABS, PVC, HDPE	often	3-5 years	mono	no	data	1	3
743	Auto industry	Car supplies	Fuel can	PP, ABS, PVC, HDPE	often	3-5 years	multi mater	no	data	1	3
744	Auto industry	Car supplies	Manual pump	PP, ABS, PVC, HDPE	often	3-5 years	multi mater	no	data	1	3
745	Auto industry	Car supplies	Car fridge	PP, ABS, PVC, HDPE	often	3-5 years	multi mater	no	data	1	3
746	Auto industry	Car supplies	Voltmeter light	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
747	Auto industry	Car supplies	Wheel cover	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	lab.	1	3

748	Auto industry	Car supplies	Car charger	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
749	Auto industry	Car supplies	Manual liquid pump.	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
750	Auto industry	Car supplies	Oil filter kit	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
751	Auto industry	Car supplies	Oil change kit	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
752	Auto industry	Car supplies	Tool cabinet	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
753	Auto industry	Car supplies	Gear shift knob	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
754	Auto industry	Car supplies	Rolling workbench	PP, ABS, PVC, HDPE	rarely	10-15 years	multi mater	no	data	1	3
755	Auto industry	Car supplies	Number plate frame	PP, ABS, PVC, HDPE	rarely	3-5 years	mono	no	data	1	3
756	Auto industry	Car supplies	Antenna	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
757	Auto industry	Car supplies	Spark plug wires	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
758	Auto industry	Car supplies	Starter motor	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
759	Auto industry	Car supplies	Parking system	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
760	Auto industry	Car supplies	Parking clock	PP, ABS, PVC, HDPE	often	3-5 years	multi mater	no	data	1	3
761	Auto industry	Car parts	Dashboard	ABS, PA, HDPE	often	20-30 years	multi mater	yes	data	1	3
762	Auto industry	Car parts	Luid reservoirs	ABS, PVC, HDPE	often	20-30 years	multi mater	yes	lab.	1	3
763	Auto industry	Car parts	Bumpers	ABS, PC, HDPE, LDPE, PU	often	20-30 years	multi mater	yes	lab.	1	3
764	Auto industry	Car parts	Interior trim panels	ABS, PC, HDPE, LDPE, PU	often	20-30 years	multi mater	yes	lab.	1	3
765	Auto industry	Car parts	Headlights	ABS, PC, HDPE, LDPE, PU	often	20-30 years	multi mater	yes	lab.	2	3
766	Auto industry	Cleaning supplies	Car wash brush	PC, HDPE, PU	often	3-5 years	multi mater	no	data	1	3
767	Auto industry	Cleaning supplies	Car wash nozzle	PP, HDPE, PVC, EVA	often	3-5 years	multi mater	no	data	1	3
768	Auto industry	Cleaning supplies	Washer hose	PP, HDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3
769	Auto industry	Cleaning supplies	Pressure washer attachment	PP, HDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3
770	Auto industry	Cleaning supplies	Pressure washer nozzle	PP, HDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3
771	Auto industry	Cleaning supplies	Rotary brush	PP, HDPE, LDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3
772	Auto industry	Cleaning supplies	Pressure washer cleaning kit	PP, HDPE, LDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3
773	Auto industry	Cleaning supplies	Pressure washer hose	PP, HDPE, LDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3
774	Auto industry	Cleaning supplies	Drain cleaning hose	PP, HDPE, LDPE, PVC, EVA	rarely	3-5 years	multi mater	no	data	1	3

775	Auto industry	Cleaning supplies	Pressure washer gun	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
776	Auto industry	Motorcycle supplies	Motorcycle luggage boxes	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
777	Auto industry	Motorcycle supplies	Motorcycle dash cam	PP, ABS, PVC, HDPE	rarely	3-5 years	multi mater	no	data	1	3
778	Auto industry	Motorcycle supplies	Motorcycle helmet	PP, ABS, PVC, HDPE	often	3-5 years	multi	no	data	1	3
779	Auto industry	Motorcycle supplies	Motorcycle backrest pad	PP, ABS, PVC, HDPE	rarely	3-5 years	multi	no	data	1	3
780	Auto industry	Motorcycle supplies	Helmet visors	PP, ABS, PVC, HDPE	rarely	3-5 years	mono	no	data	1	3
781	Auto industry	Motorcycle supplies	Motorcycle microphone	PP, ABS, PVC, HDPE	rarely	3-5 years	multi	no	data	1	3
782	Auto industry	Motorcycle supplies	Motorcycle phone mount	PP, ABS, PVC, HDPE	rarely	3-5 years	multi	no	data	1	3
783	Auto industry	Motorcycle supplies	Motorcycle speakers	PP, ABS, PVC, HDPE	rarely	3-5 years	multi	no	data	1	3
784	Electrical and electronic equipment	Computer hardware	Laptops with plastic casing	PP, ABS, PVC	very often	5-10 years	multi	no	lab.	1	3
785	Electrical and electronic equipment	Computer hardware	Monitor with plastic casing	PP, ABS, PVC	very often	5-10 years	multi	no	data	1	3
786	Electrical and electronic equipment	Computer hardware	Tablet computers	PP, ABS, PVC	very often	5-10 years	multi mater	yes	data	1	3
787	Electrical and electronic equipment	Computer hardware	Gaming steering wheels	PP, ABS, PVC	rarely	5-10 years	multi mater	yes	data	1	3
788	Electrical and electronic equipment	Computer hardware	Gaming consoles	PP, ABS, PVC	rarely	5-10 years	multi mater	yes	data	1	3
789	Electrical and electronic equipment	Computer hardware	Computer mous	PP, ABS, PVC	very often	3-5 years	multi	no	lab.	1	3
790	Electrical and electronic equipment	Computer hardware	Keyboard	PP, ABS, PVC	very often	3-5 years	multi	no	lab.	1	3
791	Electrical and electronic equipment	Computer hardware	Wireless computer headphones	PP, ABS, PVC	often	3-5 years	multi	no	data	1	3
792	Electrical and electronic equipment	Computer hardware	Microphones	PP, ABS, PVC	very often	3-5 years	multi	no	data	1	3
793	Electrical and electronic equipment	Computer hardware	Virtual reality goggles	PP, ABS, PVC	rarely	3-5 years	multi	no	data	1	3
794	Electrical and electronic equipment	Computer hardware	Computer headphones	PP, ABS, PVC	very often	3-5 years	multi	no	data	1	3

795	Electrical and electronic equipment	Computer hardware	Routers	PP, ABS, PVC	very often	5-10 years	multi	no	lab.	1	3
796	Electrical and electronic equipment	Computer hardware	Printers	PP, ABS, PVC	very often	5-10 years	multi mater	yes	data	1	3
797	Electrical and electronic equipment	Computer hardware	Scanners	PP, ABS, PVC	often	5-10 years	multi mater	yes	data	1	3
798	Electrical and electronic equipment	Computer hardware	Barcode scanners	PP, ABS, PVC	often	5-10 years	multi mater	yes	data	1	3
799	Electrical and electronic equipment	Computer hardware	Plotters	PP, ABS, PVC	rarely	5-10 years	multi mater	yes	data	1	3
800	Electrical and electronic equipment	Computer hardware	Paper shredders	PP, ABS, PVC	often	5-10 years	multi mater	yes	data	1	3
801	Electrical and electronic equipment	Computer hardware	Paper guillotine	PP, ABS, PVC	often	5-10 years	multi mater	yes	data	1	3
802	Electrical and electronic equipment	Computer hardware	Disc cutters	PP, ABS, PVC	rarely	5-10 years	multi mater	yes	data	1	3
803	Electrical and electronic equipment	Computer hardware	Banknote detector	PP, ABS, PVC	rarely	5-10 years	multi mater	yes	data	1	3
804	Electrical and electronic equipment	Computer hardware	Banknote counter	PP, ABS, PVC	rarely	5-10 years	multi mater	yes	data	1	3
805	Electrical and electronic equipment	Computer hardware	Laminator	PP, ABS, PVC	rarely	5-10 gadi	multi mater	yes	data	1	3
806	Electrical and electronic equipment	Computer hardware	E-book readers	PP, ABS, PVC	often	5-10 years	multi mater	yes	data	1	3
807	Electrical and electronic equipment	Computer hardware	Flash drive	PP, ABS, PVC	very often	3-5 years	multi	no	data	1	3
808	Electrical and electronic equipment	Computer hardware	External hard drive	PP, ABS, PVC	very often	5-10 years	multi	no	lab.	1	3
809	Electrical and electronic equipment	Computer hardware	Memory card	PP, ABS, PVC	very often	3-5 years	mono	no	data	1	3
810	Electrical and electronic equipment	Computer hardware	Connecting cables	PP, ABS, PVC	very often	3-5 years	mono	no	data	1	3
811	Electrical and electronic equipment	Household appliances	Pressure washer	PP, ABS, PVC, PC	very often	5-10 years	multi mater	yes	data	1	3
812	Electrical and electronic equipment	Household appliances	Vacuum cleaner	PP, ABS, PVC, PC	very often	5-10 years	multi mater	yes	data	1	3

813	Electrical and electronic equipment	Household appliances	Robot floor cleaner	PP, ABS, PVC, PC	very often	5-10 years	multi mater	yes	lab.	1	3
814	Electrical and electronic equipment	Household appliances	Coffee machine	PP, ABS, PVC, PC	very often	5-10 years	multi mater	yes	data	1	3
815	Electrical and electronic equipment	Household appliances	Air conditioning units	PP, ABS, PVC, PC	very often	10-15 years	multi mater	yes	data	1	3
816	Electrical and electronic equipment	Household appliances	Kettles	PP, ABS, PVC, PC	very often	5-10 years	multi mater	yes	lab.	1	3
817	Electrical and electronic equipment	Household appliances	Microwave oven	PP, ABS, PVC, PC	very often	10-15 years	multi mater	yes	data	1	3
818	Electrical and electronic equipment	Household appliances	Toaster	PP, ABS, PVC, PC	very often	10-15 years	multi mater	yes	data	1	3
819	Electrical and electronic equipment	Household appliances	Waffle makers	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
820	Electrical and electronic equipment	Household appliances	Food processor	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
821	Electrical and electronic equipment	Household appliances	Juicer	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
822	Electrical and electronic equipment	Household appliances	Iron	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
823	Electrical and electronic equipment	Household appliances	Blender	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
824	Electrical and electronic equipment	Household appliances	Multi-cooker	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
825	Electrical and electronic equipment	Household appliances	Ice cream make	PP, ABS, PVC, PC	rarely	10-15 years	multi mater	yes	data	1	3
826	Electrical and electronic equipment	Household appliances	Food dehydrator	PP, ABS, PVC, PC	rarely	10-15 years	multi mater	yes	data	1	3
827	Electrical and electronic equipment	Household appliances	Popcorn maker	PP, ABS, PVC, PC	rarely	10-15 years	multi mater	yes	data	1	3
828	Electrical and electronic equipment	Household appliances	Steam ironing equipment	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
829	Electrical and electronic equipment	Household appliances	Carbonated beverage maker	PP, ABS, PVC, PC	rarely	10-15 years	multi mater	yes	data	1	3
830	Electrical and electronic equipment	Household appliances	Cotton candy machine	PP, ABS, PVC, PC	rarely	10-15 years	multi mater	yes	data	1	3

831	Electrical and electronic equipment	Household appliances	Vacuum sealer	PP, ABS, PVC, PC	rarely	10-15 years	multi mater	yes	data	1	3
832	Electrical and electronic equipment	Household appliances	Sewing machines	PP, ABS, PVC, PC	often	10-15 years	multi mater	yes	data	1	3
833	Electrical and electronic equipment	Household appliances	Milk frother	PP, ABS, PVC, PC	often	3-5 years	multi mater	yes	data	1	3
834	Electrical and electronic equipment	Household appliances	Lint remover"	PP, ABS, PVC, PC	very often	3-5 years	multi mater	yes	data	1	3
835	Electrical and electronic equipment	Household appliances	Water filtration system	PP, ABS, PVC, PC	often	3-5 years	multi mater	yes	data	1	3
836	Electrical and electronic equipment	Household appliances	Air conditioner	PP, ABS, PVC, PC	very often	3-5 years	multi mater	yes	data	1	3
837	Electrical and electronic equipment	Household appliances	Fan	PP, ABS, PVC, PC	very often	3-5 years	multi mater	yes	data	1	3
838	Electrical and electronic equipment	Household appliances	Heater	PP, ABS, PVC, PC	very often	3-5 years	multi mater	yes	data	1	3
839	Electrical and electronic equipment	Household appliances	Humidifier	PP, ABS, PVC, PC	very often	3-5 years	multi mater	yes	data	1	3
840	Electrical and electronic equipment	Household appliances	Scent diffusers	PP, ABS, PVC, PC	often	3-5 years	multi mater	yes	lab.	1	3
841	Electrical and electronic equipment	Phones and smartwatches and their accessories	Mobile phones with plastic casing	PP, ABS, PVC, PC, TPU	very often	5-10 years	multi mater	yes	lab.	2	3
842	Electrical and electronic equipment	Phones and smartwatches and their accessories	Smartwatches, fitness trackers	PP, ABS, PVC, PC, TPU	very often	5-10 years	multi mater	yes	data	2	3
843	Electrical and electronic equipment	Phones and smartwatches and their accessories	Phone cases, covers	PP, ABS, PVC, PC, TPU	very often	3-5 years	multi mater	yes	data	2	3
844	Electrical and electronic equipment	Phones and smartwatches and their accessories	Stabilizer	PP, ABS, PVC, PC, TPU	often	3-5 years	multi mater	yes	data	2	3
845	Electrical and electronic equipment	Phones and smartwatches and their accessories	Camera tripod	PP, ABS, PVC, PC, TPU	often	3-5 years	multi mater	yes	data	2	3

846	Electrical and electronic equipment	Phones and smartwatches and their accessories	Wireless speaker	PP, ABS, PVC, PC, TPU	often	3-5 years	multi mater	yes	data	2	3
847	Electrical and electronic equipment	Phones and smartwatches and their accessories	Bluetooth hands-free devices	PP, ABS, PVC, PC, TPU	often	3-5 years	multi mater	yes	data	2	3
848	Electrical and electronic equipment	TV and electronics and their accessories	TV with plastic casing	ABS, PVC, PC, PS	very often	10-15 years	multi mater	yes	lab.	3	3
849	Electrical and electronic equipment	TV and electronics and their accessories	Music centers with plastic casing	ABS, PVC, PC, PS	often	10-15 years	multi mater	yes	data	3	3
850	Electrical and electronic equipment	TV and electronics and their accessories	Home cinema	ABS, PVC, PC, PS	often	10-15 years	multi mater	yes	data	3	3
851	Electrical and electronic equipment	TV and electronics and their accessories	Speakers	PVC, PC, PS	often	5-10 years	multi mater	yes	data	3	3
852	Electrical and electronic equipment	TV and electronics and their accessories	Subwoofers	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
853	Electrical and electronic equipment	TV and electronics and their accessories	Navigation device	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
854	Electrical and electronic equipment	TV and electronics and their accessories	Over-the-air TV receivers	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
855	Electrical and electronic equipment	TV and electronics and their accessories	Record players	ABS, PVC, PC, PS	rarely	5-10 years	multi mater	yes	data	3	3
856	Electrical and electronic equipment	TV and electronics and their accessories	Media players	ABS, PVC, PC, PS	rarely	5-10 years	multi mater	yes	data	3	3
857	Electrical and electronic equipment	TV and electronics and their accessories	TV wires and cables	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
858	Electrical and electronic equipment	Beauty and health appliances	Hair straightener	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	lab.	3	3
859	Electrical and electronic equipment	Beauty and health appliances	Hair styling devices	ABS, PVC, PC, PS	often	5-10 years	multi mater	yes	data	3	3
860	Electrical and electronic equipment	Beauty and health appliances	Hair trimmer	ABS, PVC, PC, PS	often	5-10 years	multi mater	yes	data	3	3
861	Electrical and electronic equipment	Beauty and health appliances	Hair drye	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
862	Electrical and electronic equipment	Beauty and health appliances	Massage devices	ABS, PVC, PC, PS	rarely	5-10 years	multi mater	yes	data	3	3

863	Electrical and electronic equipment	Beauty and appliances	health	Manicure and pedicure supplies	ABS, PVC, PC, PS	rarely	5-10 years	multi mater	yes	data	3	3
864	Electrical and electronic equipment	Beauty and appliances	health	Beard trimmers	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
865	Electrical and electronic equipment	Beauty and appliances	health	Epilator	ABS, PVC, PC, PS	very often	5-10 years	multi mater	yes	data	3	3
866	Electrical and electronic equipment	Beauty and appliances	health	Inhalers	ABS, PVC, PC, PS	often	5-10 years	multi mater	yes	data	3	3
867	Electrical and electronic equipment	Beauty and appliances	health	Foot baths	ABS, PVC, PC, PS	rarely	5-10 years	multi mater	yes	data	3	3
868	Electrical and electronic equipment	Other		Disposable e- cigarettes	ABS, PVC, PC, PS	often	0-1 years	multi mater	yes	lab.	3	3
869	Electrical and electronic equipment	Other		Wall clock	ABS, PVC, PC, PS	very often	3-5 years	multi mater	yes	data	3	3
870	Medical goods	Healthcare electronics		Electric toothbrushes	ABS, PVC, PV, PP	very often	3-5 years	multi mater	yes	lab.	1	3
871	Medical goods	Healthcare electronics		Electric toothbrush heads	ABS, PVC, PV, PP	very often	0-1 years	multi mater	no	data	1	3
872	Medical goods	Healthcare electronics		Weighing scales	ABS, PVC, PV, PP	very often	3-5 years	multi mater	yes	data	1	3
873	Medical goods	Healthcare electronics		Thermometer	ABS, PVC, PV, PP	very often	3-5 years	multi mater	yes	data	1	3
874	Medical goods	Healthcare electronics		Blood pressure monitor	ABS, PVC, PV, PP	very often	3-5 years	multi mater	yes	data	1	3
875	Medical goods	Care supplies		plastic medical valve	ABS, PVC, PP, PDMS	rarely	10-15 years	multi mater	yes	data	1	4
876	Medical goods	Care supplies		Oral suction devices	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
877	Medical goods	Care supplies		Urine collection container	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
878	Medical goods	Care supplies		Stool container	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
879	Medical goods	Care supplies		Urine collection adapter	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
880	Medical goods	Care supplies		Lancets	ABS, PVC, PP, PDMS	rarely	0-1 years	multi	no	data	1	4
881	Medical goods	Care supplies		Vacuum tube holder	ABS, PVC, PP, PDMS	rarely	3-5 gadi	multi	no	data	1	4
882	Medical goods	Care supplies		Sample container	ABS, PVC, PP, PDMS	rarely	0-1 years	multi	no	data	1	4
883	Medical goods	Care supplies		Test tube stopper	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4

884	Medical goods	Care supplies	Measuring cup	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
885	Medical goods	Care supplies	Medical funnels	ABS, PVC, PP, PDMS	rarely	5-10 years	mono	no	data	1	4
886	Medical goods	Care supplies	Dividing grid	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
887	Medical goods	Care supplies	Tube rack	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
888	Medical goods	Care supplies	Viral collection kit	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
889	Medical goods	Care supplies	Pipettes	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
890	Medical goods	Care supplies	Micropipettes	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
891	Medical goods	Care supplies	Cover slip forceps	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
892	Medical goods	Care supplies	Cytology brush	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
893	Medical goods	Care supplies	Gynecological speculum	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
894	Medical goods	Care supplies	Lancets for automatic pen	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
895	Medical goods	Care supplies	Lancing device	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
896	Medical goods	Care supplies	Urine analyzer	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
897	Medical goods	Care supplies	Trep A rapid test	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
898	Medical goods	Care supplies	Environmental monitoring contact plates	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
899	Medical goods	Care supplies	Massage device	ABS, PVC, PP, PDMS	rarely	5-10 years	multi mater	yes	data	1	4
900	Medical goods	Care supplies	Shower chair	ABS, PVC, PP, PDMS	rarely	5-10 years	multi mater	no	data	1	4
901	Medical goods	Care supplies	Bedpan	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
902	Medical goods	Care supplies	Bath board	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
903	Medical goods	Care supplies	Toilet seat riser	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
904	Medical goods	Care supplies	Spoon with ergonomic handle	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
905	Medical goods	Care supplies	Fork with additional handle	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
906	Medical goods	Care supplies	Serving cart	ABS, PVC, PP, PDMS	rarely	3-5 years	multi	no	data	1	4
907	Medical goods	Care supplies	Patient cup with lid	ABS, PVC, PP, PDMS	rarely	3-5 years	multi	no	data	1	4

908	Medical goods	Care supplies	Sock aid	ABS, PVC, PP, PDMS	rarely	3-5 years	multi	no	data	1	4
909	Medical goods	Care supplies	Dressing stick	ABS, PVC, PP, PDMS	rarely	5-10 years	multi	no	data	1	4
910	Medical goods	Care supplies	Nasogastric tube	ABS, PVC, PP, PDMS	rarely	5-10 years	multi mater	no	data	1	4
911	Medical goods	Care supplies	Scalpel handle	ABS, PVC, PP, PDMS	rarely	3-5 years	multi	no	data	1	4
912	Medical goods	Care supplies	Resuscitation face mask	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
913	Medical goods	Care supplies	Breathing tube	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
914	Medical goods	Care supplies	Suture removal kit	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
915	Medical goods	Care supplies	Medical diagnostic penlights	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
916	Medical goods	Care supplies	Otoscope mirror	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
917	Medical goods	Care supplies	Pulsa oksimētrs	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
918	Medical goods	Care supplies	Staple remover	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
919	Medical goods	Care supplies	Caatheter	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	lab.	1	4
920	Medical goods	Care supplies	Butterfly catheter	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
921	Medical goods	Care supplies	Catheter cap	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
922	Medical goods	Care supplies	Feeding syringe	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
923	Medical goods	Care supplies	medical-grade cup or bowl	ABS, PVC, PP, PDMS	rarely	3-5 years	multi	no	data	1	4
924	Medical goods	Care supplies	Plastic bedpan	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
925	Medical goods	Care supplies	Medicine cup	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	lab.	1	4
926	Medical goods	Care supplies	Pill organizer	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
927	Medical goods	Care supplies	Pill cutter	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
928	Medical goods	Care supplies	Bath bench	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	no	data	1	4
929	Medical goods	Care supplies	Hearing aids	ABS, PVC, PP, PDMS	rarely	3-5 years	multi mater	yes	data	1	4
930	Medical goods	Care supplies	Glove box holder	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
931	Medical goods	Care supplies	Medication organizer	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
932	Medical goods	Dental supplies	Denture	ABS, PVC, PP, PDMS	rarely	10-15 years	multi mater	no	data	1	4
933	Medical goods	Dental supplies	Impression tray	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
934	Medical goods	Dental supplies	Spatula	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4

935	Medical goods	Dental supplies	Plastic aspirators	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
936	Medical goods	Dental supplies	Dental drill stand	ABS, PVC, PP, PDMS	rarely	10-15 years	multi mater	yes	data	1	4
937	Medical goods	Dental supplies	Lignin cup	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
938	Medical goods	Dental supplies	Dental self-care kit	ABS, PVC, PP, PDMS	rarely	0-1 years	multi mater	no	data	1	4
939	Medical goods	Dental supplies	Denture case	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
940	Medical goods	Dental supplies	Dental cup	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
941	Medical goods	Dental supplies	Saliva ejectors	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	data	1	4
942	Medical goods	Instruments	Syringes	ABS, PVC, PP, PDMS	rarely	0-1 years	mono	no	lab.	1	4
943	Medical goods	Instruments	Endodontic ruler set	ABS, PVC, PP, PDMS	rarely	3-5 years	mono	no	data	1	4
944	Medical goods	Instruments	Duplicating flask	ABS, PVC, PP, PDMS	rarely	3-5 years	multi	no	data	1	4
945	Medical goods	Instruments	Tweezers	ABS, PVC, PP, PDMS	very often	3-5 years	mono	no	data	1	4
946	Medical goods	Optical supplies	Eyeglass frames	ABS, PVC, PP, PDMS	very often	3-5 years	mono	no	lab.	1	4
947	Medical goods	Optical supplies	Contact lens cases	PP, HDPE	very often	0-1 years	mono	no	lab.	1	1
948	Medical goods	Optical supplies	Contact lens tweezers	PP, HDPE	very often	0-1 years	mono	no	data	1	1
949	Medical goods	Optical supplies	Sunglasses frames	PVC, LDPE, HDPE, PET	often	3-5 years	mono	no	data	1	3
950	Medical goods	Optical supplies	Eyeglass case	ABS, PC, PP, PU	often	3-5 years	mono	no	data	1	3
951	Medical goods	Optical supplies	Eyeglass chains	ABS, PC, PP, PU	rarely	3-5 years	multi mater	no	data	1	3
952	Medical goods	Orthopedic supplies.	Elbow crutch.	PU, TPU	rarely	3-5 years	multi	no	data	2	2
953	Medical goods	Orthopedic supplies	Underarm crutch	PU, TPU, ABS	rarely	5-10 years	multi mater	no	data	1	3
954	Medical goods	Orthopedic supplies	Prostheses	PU, TPU, ABS	rarely	5-10 years	multi mater	no	data	1	3
955	Medical goods	Orthopedic supplies	Patient transfer board	PU, TPU, ABS	rarely	5-10 years	multi mater	no	data	1	3
956	Medical goods	Orthopedic supplies	Rollator accessories.	PU, TPU, ABS	rarely	10-15 years	multi mater	no	data	1	3
957	Medical goods	Orthopedic supplies	Wheelchair parts	PU, TPU, ABS	rarely	10-15 years	multi mater	no	data	1	3
958	Medical goods	Orthopedic supplies	Seat cushion	PU, TPU, ABS	rarely	5-10 years	multi mater	no	data	1	3
959	Medical goods	Hygiene and cosmetic products supplies	Soap dispenser	PP, HDPE, PVC, EVA	very often	0-1 years	mono	no	data	1	3
960	Medical goods	Hygiene and cosmetic products supplies	Toothbrush	PP, HDPE	very often	0-1 years	multi mater	no	lab.	1	1
961	Medical goods	Hygiene and cosmetic products supplies	Interdental brushes	PP, HDPE	very often	0-1 years	multi mater	no	data	1	1

962	Medical goods	Hygiene and cosmetic products supplies	Hair comb	PP, HDPE	very often	0-1 years	mono	no	data	1	1
963	Medical goods	Hygiene and cosmetic products supplies	Hair brush.	PP, HDPE	very often	0-1 years	multi mater	no	data	1	1
964	Medical goods	Hygiene and cosmetic products supplies	Hair rollers	PP, HDPE	rarely	3-5 years	mono	no	data	1	1
965	Medical goods	Hygiene and cosmetic products supplies	Pack of wet wipes	PET	very often	0-1 years	mono	no	data	1	1
966	Medical goods	Hygiene and cosmetic products supplies	Female razor.	PP, HDPE	very often	0-1 years	multi mater	no	lab.	1	1
967	Medical goods	Hygiene and cosmetic products supplies	Male razor	PP, HDPE	very often	0-1 years	multi mater	no	data	1	1
968	Medical goods	Hygiene and cosmetic products supplies	Table mirror	PP, HDPE	often	3-5 years	multi mater	no	data	1	1
969	Medical goods	Hygiene and cosmetic products supplies	Nail brush.	PP, HDPE	often	0-1 years	multi mater	no	data	1	1
970	Medical goods	Hygiene and cosmetic products supplies	Shampoo bottle	PET	very often	0-1 years	mono	no	lab.	1	1
971	Medical goods	Hygiene and cosmetic products supplies	Mascara tube	PET	very often	0-1 years	mono	no	data	1	1
972	Medical goods	Hygiene and cosmetic products supplies	Lip gloss packaging	PET	very often	0-1 years	mono	no	data	1	1
973	Medical goods	Hygiene and cosmetic products supplies	Cream jar	PP, HDPE	very often	0-1 years	mono	no	data	1	1
974	Medical goods	Hygiene and cosmetic products supplies	Nail file	PP, HDPE	very often	0-1 years	multi mater	no	data	1	1
975	Medical goods	Hygiene and cosmetic products supplies	False eyelashes	PP, HDPE	rarely	0-1 years	mono	no	data	1	1
976	Medical goods	Hygiene and cosmetic products supplies	Artificial nails	PP, HDPE	rarely	0-1 years	mono	no	lab.	1	1
977	Medical goods	Hygiene and cosmetic products supplies	LED lamps	PP, HDPE	often	0-1 years	multi mater	yes	data	1	1
978	Medical goods	Hygiene and cosmetic products supplies	Liquid dispenser	PP, HDPE	often	0-1 years	multi mater	no	data	1	1
979	Medical goods	Hygiene and cosmetic products supplies	Nail art gel molds	PP, HDPE	rarely	0-1 years	multi mater	no	data	1	1

980	Medical goods	Hygiene and cosmetic products supplies	Dust collector	PP, HDPE	rarely	3-5 years	multi mater	yes	data	1	1
981	Medical goods	Hygiene and cosmetic products supplies	Nail polish palette	PP, HDPE	rarely	0-1 years	mono	no	data	1	1
982	Medical goods	Hygiene and cosmetic products supplies	Nail art brush	PP, HDPE	rarely	0-1 years	multi mater	no	data	1	1
983	Medical goods	Hygiene and cosmetic products supplies	Makeup brushes	PP, HDPE	rarely	0-1 years	multi mater	no	data	1	1
984	Medical goods	Hygiene and cosmetic products supplies	Nail file drill	PP, HDPE	rarely	3-5 years	multi mater	yes	data	1	1
985	Medical goods	Hygiene and cosmetic products supplies	Nail drill bit storage case	PET	rarely	3-5 years	mono	no	data	1	1
986	Medical goods	Hygiene and cosmetic products supplies	Brush stand	PET	rarely	3-5 years	mono	no	data	1	1
987	Medical goods	Hygiene and cosmetic products supplies	Instrument sterilization tray	PP, HDPE	rarely	3-5 years	multi mater	jā	data	1	2
988	Medical goods	Hygiene and cosmetic products supplies	Finger rest	PP, HDPE	rarely	3-5 years	mono	no	data	1	2
989	Medical goods	For infants and children	Sippy cup	PP, HDPE, LDPE, ABS	often	0-1 years	mono	no	lab.	1	3
990	Medical goods	For infants and children	Children's toothbrush	PP, HDPE, LDPE, ABS	often	0-1 years	multi mater	no	data	1	3
991	Medical goods	For infants and children	Baby bottle	PP, HDPE, LDPE, ABS	very often	0-1 years	multi mater	no	data	1	3
992	Medical goods	For infants and children	Fork with extra handle	PP, HDPE, LDPE, ABS	very often	0-1 years	multi mater	no	data	1	3
993	Medical goods	For infants and children	Infant height measure	PP, HDPE, LDPE, ABS	often	3-5 years	multi mater	no	data	1	3
994	Medical goods	For infants and children	Head measuring tape	PVC, PP, HDPE	often	3-5 years	mono	no	data	1	3
995	Medical goods	Single use items	Probes	PVC, PP, HDPE	rarely	0-1 years	multi mater	no	data	1	3
996	Medical goods	single use items	Oxygen masks	PP, HDPE	rarely	0-1 years	multi mater	no	lab.	1	1
997	Medical goods	single use items	Plastic drape	PP, HDPE	rarely	0-1 years	mono	no	data	1	1
998	Medical goods	single use items	Medical tape roll	PP, HDPE	rarely	0-1 years	mono	no	data	1	1
999	Medical goods	single use items	Face shield	PP, HDPE, LDPE, PU	rarely	0-1 years	multi mater	no	data	1	1
1000	Medical goods	single use items	Covid test	PP, HDPE, LDPE, PS	rarely	0-1 years	multi mater	no	data	1	2

Appendix No. 2

	Category	Subcategory	Product	Test results, material	Recycling	Notes
1	Sports and leisure	Outdoor equipment	Head lamp	PP, PS	In-depth tests needed	In-depth tests needed
2	Sports and leisure	Outdoor equipment	Glass	PP	In-depth tests needed	In-depth tests needed
3	Sports and leisure	Outdoor equipment	Cutlery	PS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
4	Sports and leisure	Fishing equipment	Tackle box	PP	In-depth tests needed	In-depth tests needed
5	Sports and leisure	Fishing equipment	Fish feeder	PP	In-depth tests needed	In-depth tests needed
6	Sports and leisure	Toys	Toy blocks	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results comply with quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0008.
7	Sports and leisure	Stationery	Poster stand	PMMA	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
8	Sports and leisure	Stationery	Desk organizer	PP	In-depth tests needed	In-depth tests needed
9	Sports and leisure	Stationery	White-out	PS, POM	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory.
10	Sports and leisure	Stationery	Document protector	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results comply with quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0008.
11	Sports and leisure	Stationery	Cartridge	ABS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
12	Household goods	Cleaning supplies	Storage box	PP	In-depth tests needed	In-depth tests needed
13	Household goods	Cleaning supplies	Brush	PP, TPS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory.
14	Household goods	Clothing and shoe care and storage	Clothespins	PP	In-depth tests needed	In-depth tests needed

Category	Subcategory	Product	Test results, material	Recycling	Notes	
15	Household goods	Outdoor cleaning equipment and tools	Plastic storage boxes	PP	Yes	Upon laboratory analysis, it was found that the respective material is polypropylene (PP). In sample 24A, there is a presence of polyethylene impurity which may complicate the recycling process, whereas in sample 24B, the quality meets the recycling requirements. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0010
16	Household goods	Pet supplies	Dog toy	IUPAC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
17	Household goods	Baby products	Potty	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0011.
18	Household goods	Baby products	Baby bottle	PP	In-depth tests needed	In-depth tests needed
19	Household goods	Baby products	Apron	EVA, PET	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
20	Construction industry	Lighting and electrical installation	Cable ties and organizers	PA	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
21	Construction industry	Workwear and protective equipment	Helmet	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0012.
22	Construction industry	Tools	Snow shovel	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results comply with quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0008.
23	Electrical and electronic equipment	Household appliances	Essential oil diffusers	PET, PP	In-depth tests needed	In-depth tests needed

Category	Subcategory	Product	Test results, material	Recycling	Notes	
24	Sports and leisure	Garden supplies	Plastic chairs	PP	Yes	LZP-7: Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), with visible polyethylene impurities in the product. During testing, polymer brittleness during bending was observed, which may complicate the recycling process and affect the quality of the final product. The material can be recycled in small quantities on Nordic Plast recycling lines. LZP-8: Upon conducting laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0002.
25	Sports and leisure	Garden supplies	Pots	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), with visible polyethylene impurities in the product. During testing, polymer brittleness during bending was observed, which may complicate the recycling process and affect the quality of the final product. The material can be recycled in small quantities on Nordic Plast recycling lines. Testing Report No. 2024/0002
26	Sports and leisure	Garden supplies	Watering can	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 0001
27	Sports and leisure	Garden supplies	Seedling tray	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 0001
28	Sports and leisure	Garden supplies	Trellis	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0004.

Category	Subcategory	Product	Test results, material	Recycling	Notes	
29	Sports and leisure	Garden supplies	Tree protection mesh	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0004.
30	Sports and leisure	Sporting goods	kids' baseball bat	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0009.
31	Sports and leisure	Sporting goods	Gymnastics hoop	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0005
32	Sports and leisure	Sporting goods	Sports bottle	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 0001.
33	Sports and leisure	Piepūšamie peldriki, atrakcijas un peldietas	Swimming pool	IUPAC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
34	Sports and leisure	Toys	Water gun	PP	No	According to the FT-IR test results, the sample contains high concentrations of SB and PS additives. It is not recyclable at the Nordic Plast factory. Testing Report No. 0002.
35	Sports and leisure	Toys	Doll	PC, ABS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory.
36	Sports and leisure	Stationery	Marker pen	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0003. Plast pārstrādes līnijās. Testēšanas pārskata Nr. 2024/0003.

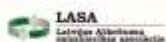
Category	Subcategory	Product	Test results, material	Recycling	Notes	
37	Sports and leisure	Stationery	Plastic folder	PP	Yes	Upon conducting laboratory analysis, it was found that the respective material is polypropylene (PP), with the presence of polyethylene impurities in the product, which may complicate the recycling process. The material can be recycled in small quantities on Nordic Plast recycling lines. Testing Report No. 2024/0008.
38	Sports and leisure	Costume jewelry	Combs	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0003.
39	Household goods	Cleaning supplies	Strainer	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 0001.
40	Household goods	Clothing and shoe care and storage	Clothing hangers and organizers	unidentifiable	In-depth tests needed	In-depth tests needed
41	Household goods	Clothing and shoe care and storage	Lint rollers	PP	In-depth tests needed	In-depth tests needed
42	Household goods	Landscaping tools and equipment	Soap dish	PS, TPU	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory.
43	Household goods	Landscaping tools and equipment	Bucket	PP	In-depth tests needed	In-depth tests needed
44	Household goods	Food storage	Pfood storage containers	PP	In-depth tests needed	In-depth tests needed
45	Household goods	Cooking supplies	Cutting boards	PE	Yes	Upon laboratory analysis, it was determined that the respective material is polyethylene (PE), and the laboratory results meet quality standards. The material is recyclable in Nordic Plast recycling lines. Testing Report No. 2024/0005.
46	Household goods	Cooking supplies	ice cube trays	PP	In-depth tests needed	In-depth tests needed
47	Household goods	Cooking supplies	Bowl	PP	Yes	Upon laboratory analysis, it was determined that the respective material is polypropylene (PP), with the presence of polyethylene impurities in the product, which may complicate the recycling process. The material can be recycled in small quantities on Nordic Plast recycling lines. Testing Report No. 2024/0008.

Category	Subcategory	Product	Test results, material	Recycling	Notes	
48	Construction industry	Lighting and electrical installation	Power outlet	ABS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
49	Construction industry	Lighting and electrical installation	Cable raceway	PA	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
50	Construction industry	Lighting and electrical installation	Cable	PP, EVA, PE, TPC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
51	Construction industry	Doors and windows	PVC windows	PVC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
52	Construction industry	Plumbing supplies	WC connector	PE, SEBS	NO	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
53	Construction industry	Plumbing supplies	Plumbing tubing	PP	In-depth tests needed	In-depth tests needed
54	Construction industry	Building materials	Thermal pot	PE	In-depth tests needed	In-depth tests needed
55	Construction industry	Building materials	PVC trim strips	PVC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
56	Auto industry	Car supplies	Wheel rim	ABS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
57	Auto industry	Car parts	Bumpers	PP	No	Upon conducting laboratory analysis, it was determined that the respective material is polypropylene (PP), but the laboratory results do not meet quality standards. The material is not recyclable in Nordic Plast recycling lines due to the presence of non-separable contaminants. Testing Report No. 2024/0011.
58	Electrical and electronic equipment	Computer hardware	Computer mouse	ABS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
59	Electrical and electronic equipment	Computer hardware	Keyboard	ABS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
60	Electrical and electronic equipment	Computer hardware	Routers	PP	In-depth tests needed	In-depth tests needed

Category	Subcategory	Product	Test results, material	Recycling	Notes
61	Electrical and electronic equipment Household appliances	Kettles	PP, PC	In-depth tests needed	In-depth tests needed
62	Electrical and electronic equipment TV and electronics and their accessories	TV remote	PS	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
63	Electrical and electronic equipment TV and electronics and their accessories	TV with plastic casing	PS, ABS, PS, PC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
64	Electrical and electronic equipment Beauty and health appliances	Hair styling devices	PC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
65	Electrical and electronic equipment Other	Disposable e-cigarettes	PC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
66	Electrical and electronic equipment Other	Extension cord	PP	In-depth tests needed	In-depth tests needed
67	Medical supplies Instruments	Syringes	PP	In-depth tests needed	In-depth tests needed
68	Medical supplies Beauty and health appliances	Eyeglass case	PC	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
69	Medical supplies Optical supplies	Eyeglass frames	UP	No	According to the FT-IR test results, this material is not recyclable at the Nordic Plast factory
70	Medical supplies Hygiene and cosmetic products supplies	Toothbrush	PP	In-depth tests needed	In-depth tests needed



Eiropas Savienības LIFE programmas integrētais projekts "Atkritumi kā resursi Latvijā – Reģionālās ilgtspējas un aprites veicināšana, ieviešot atkritumu kā resursu izmantošanas koncepciju"



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