

For X5 Retail Group Suppliers

Sustainable packaging Detailed Guidelines



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ОКОЛО

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About the guidelines

Dear partners,

We would like to present to you detailed Guidelines on sustainable packaging for X5 Retail Group suppliers.

In 2020 X5 Retail Group has published its [“General Sustainability Guidelines for their suppliers”](#). The responsible approach to conducting business and the general principles of production is what we expect from our partners and suppliers to remain unchanged.

This document will provide “Detailed guidelines on sustainable packaging for X5 Retail Group suppliers” for 13 main categories of goods, taking into account the recycling specifics of certain types of packaging and the requirements for the barrier properties of materials. The Guidelines were developed together with leading X5 suppliers from every category, as well as with experts from packaging and raw materials companies, recyclers and environmental organizations.

Guided by the principles of partnership and free exchange of information in the interests of global sustainable development, X5 Retail Group offers suppliers, partners, social entities, associations, and other retailers to use “Guidelines on sustainable packaging for X5 Retail Group suppliers” unlimitedly and in their own interest.

We plan to continue improving and supplementing the guidelines as the production of materials advances and the infrastructure for collecting and recycling materials develops in Russian Federation. We invite our suppliers, partners, public organizations, associations, and other retailers to engage in a dialogue in this field and continue to improve Guidelines and we would be grateful to hear about your experience in implementing the Guidelines.

You can send your comments, suggestions and partnership offers in the sustainable development area to ESG@X5.ru – Department of sustainable development X5 Retail Group.

Approach to developing Guidelines

This document is prepared for the producers and suppliers, who are interested in transitioning to a more sustainable packaging for their products. Guidelines are an additional document related to the existing document [“General guidelines on sustainable development for X5 Retail Group suppliers”](#) (further on – General guidelines for suppliers).

The packaging information and guidelines on improving its sustainability are presented by product category and has the following hierarchy:

- 1 Groups / product categories
- 2 Type of packaging
- 3 Type of packaging material

The Guidelines are based on the analysis of the best practices of the companies in the food retail sector, international guidelines and codes on sustainable packaging, and were adapted to include the specifics of the Russian business.

The Guidelines can be clarified and updated as technology evolves in the Russian market.

The Guidelines are based on the understanding of the existing technologies and the available infrastructure in Russia.

The main types of materials that were considered when developing Guidelines are listed in [Appendix 1](#).

The category guidelines refer to **the primary (consumer) packaging** and their voluntary social and ecological certification, and neither mandatory and nor are a requirement.

[The general guidelines on packaging](#) for secondary (transportation) are presented separately.

Approach to developing Guidelines

Based on X5 Retail Group's assortment analysis, products were defined into separate categories to be further detailed. The guidelines are presented in separate blocks for each of the product category.

The X5 Retail Group's approach to selecting the type of packaging includes three main criteria: **type of material, design, communication.**

When choosing the type of packaging for a product, it is suggested to consider its prioritization order as per the mentioned criteria above as well as the barrier characteristics of the packaging materials for the retail chains under X5 Retail Group brand umbrella.

For the purpose of detailing the Guidelines the following order of packaging prioritisation was defined:

Preferred packaging

- packaging made out of the most favored materials
- criteria of the sustainability of raw material for subsequent processing and recycling in Russia: the packaging is widely accepted for processing within the system of Separate Waste Collection and / or is widely sorted at the Municipal Solid Waste facilities.
- the packaging has the optimal barrier characteristics.

Less preferred packaging

- packaging made out of less favored materials
- criteria of the sustainability of raw material for subsequent processing and recycling in Russia: the packaging is not widely accepted within the system of Separate Waste Collection and / or is rarely sorted at the Municipal Solid Waste facilities. There is a limited number of collection opportunities that prevents the mass collection of the given fraction from the population.
- there are no materials in the preferred materials category with equal or higher barrier characteristics.

The least preferred packaging

- packaging made out of the least preferred materials
- criteria of the sustainability of raw material for subsequent processing and recycling in Russia: the packaging is not accepted for processing within the system of Separate Waste Collection and / or is not sorted at the Municipal Solid Waste facilities. There are no collection opportunities / there are unique pilot projects for the collection of the given fraction from the population.
- there are alternatives in the preferred materials category with equal or higher barrier characteristics.

Lettering (abbreviation) and the numerical code of the materials - are presented according to the TRCU 005/2011 The Technical Regulation of Customs "On Safety of Packaging".

Biopolymers are by default omitted in the guidelines: according to the TRCU they are labeled "07 OTHER", and are categorized with the least preferred packaging because of the absence of (1) the possibility of identification of such materials and (2) infrastructure for mass treatment of organic waste.

The guidelines take into the account the importance of evaluating the life cycle of product, but because of the non-conclusiveness of the information due to the differences in the production conditions, transportation, molding of the packaging materials and other barrier characteristics of products, the justifications for the life cycle are not included in the guidelines.

General Guidelines on Sustainable Development



General Guidelines

Before using the detailed guidelines on sustainable packaging, we suggest to go through the general guidelines published earlier by X5 Retail Group on its web site: [“General Guidelines on sustainable packaging for X5 Retail Group suppliers”](#).

For convenience in this section of the document the basic information that explains the approach of the X5 Retail Group to the packaging selection is given.

Guidelines on choosing the sustainable products and packaging:

- product traceability across the end to end supply chain
- presence of voluntary product certification (the list of suggested certification divided into product categories can be found in the document [“The List of Systems of Voluntary Certification”](#))
- legal compliance in the area of product quality
- usage of product labeling that allows to determine the presence of GMO in the product
- usage of responsible marketing strategies and labeling that allows to get the credible information on nutrients balance of the product
- Aspiration for continuous improvement of the composition of the product towards using healthier, more balanced and nutrient rich alternatives
- choice of packaging in accordance with the X5 Retail Group approach

General Guidelines

The approach to the packaging selection and guidelines on material usage.

X5 Retail Group approach to selecting the packaging includes three main aspects: **material, design, communication.**

Materials

We expect the materials used for packaging of products to belong to one or several of the below categories:

- renewable materials
- recyclable materials
- materials suitable for further processing and recycling in Russia
- materials produced in a 'responsible' way¹ (with the minimal level of harm to the environment, and in compliance with human rights and decent working conditions)
- monomaterials

The degree of preference of packaging materials is presented on the next slide.

Design

We suggest taking the following criteria into account when developing the packaging design for products supplied to X5 Retail Group:

- unification of packaging design (standardization of types of packaging and materials for specific categories of products)
- use of reusable packaging
- use of single-layer packaging
- optimization of package design (size, weight, quantity and the coating materials and labels, other elements that should not make the collection and recycling more difficult)

Communication

We believe it is necessary customers with information on further packaging life cycle. Therefore, we suggest following the below criteria when selecting the type of packaging:

- labeling the packaging to provide information on the original of the material and its characteristics
- informing and educating the consumer on subsequent methods of recycling of the packaging
- evaluating life cycle of the product and disclosing the results of such evaluation

¹It is suggested to confirm the responsible origin of the materials by the internationally accepted systems of certification (see [The List of Systems of Voluntary Certification](#))

General Guidelines

When selecting packaging materials for the products for X5 Retail Group we suggest referring to the product packaging order of prioritisation set in the 'Materials' category in the above mentioned criteria

The most desirable packaging materials Polymers

Polymers

- polyethylene-terephthalate (PETF / PET / 01)
- high-density polyethylene (HD polyethylene / HDPE / 02)
- low-density polyethylene (LD polyethylene / LDPE / 04)
- polypropylene (PP / 05)

Paper, cardboard, corrugated cardboard, wood from responsible sources

- paper (PAP / 22)
- cardboard (PAP / 21)
- corrugated cardboard (PAP / 20)
- wood (FOR / 50)

Glass and metals

- glass (GL / 70-74)
- aluminum (AL / 41)
- stainless steel (Fe / 40)

Less desirable packaging materials

Biodegradable materials

- made out of fossil materials (PBAT, PBS, PCL, PVAL, PGA)
- made out of natural raw materials (PLA, PHA)

Composite materials

The least desirable packaging materials Polymers

Polymers

- polyvinyl chloride (PVC / 03)
- polystyrene (PS / 06)
- other types of plastic or combinations of several types (OTHER / 07)

Guidelines for secondary (transportation) packaging



Guidelines for secondary (transportation) packaging

In the following guidelines secondary (transportation) packaging implies packaging designed for safe storage and transportation of goods in order to protect them from damage when transporting. The category does not include cargo containers for air, railroad and sea transportation.

Design

- using reusable, returnable packaging,
- giving preference to the packaging with additional stiffening ribs or using additional elements for securing the outer edges ('corners') when packing fragile goods to prevent tumbling, bending and damaging

To improve secondary (transportation) packaging:

- Reduce the number of layers and the amount of packaging, eliminating unnecessary packaging elements (wrap, labels)
- Reducing the weight of packaging, avoiding emptiness when stacking the goods in the transportation packaging

Communication

- Indicate the alphabetic and numerical identifier of the material in accordance with TRCU (Technical Regulations of the Customs Union) on wraps and bags to provide opportunity to identify the material and its subsequent recycling methods
- In case of using heat resistant cling film - identify the opening line / tearing line

Materials

- When returnable packaging cannot be used, preference should be given to monomaterial transportation packaging containing recycled materials and / or fit for recycling
- When choosing packaging and / or its elements made out of 20 PAP, 21 PAP preference should be given to the packaging produced from recycled materials and /or materials produced in a 'responsible' way. It is suggested to verify the responsible origin of the materials by the internationally accepted systems of certification (see [The List of Systems of Voluntary Certification](#))
- In case of using heat resistant and vacuum cling film, packaging preference should be given to monomaterials containing recycled materials, that are produced responsibly and / or could be further recycled
- As an intermediate layer between goods use a stuffer made of 20 PAP, 21 PAP

We suggest eliminating:

- Intermediate layers and stuffer made of expanded polystyrene
- Intermediate layers and stuffer made of shredded polyfoam
- Non-reusable polyfoam cases
- Filling made of shredded paper

Product categories for which the Guidelines have been developed and updated



Drinks



Eggs



Grains

(except sauces, honey, preserves, oils)



Grains

Sauces and jams



Fruits & vegetables



Canned food



Non-food



Fresh meat, fish, cheese



Dairy products

(except cheese)



Household chemicals and care products



Tobacco products and accessories



Frozen products



Pet food



Beverages



Beverages. Category overview

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING

TYPE OF MATERIAL

COMMENTS



Bottle



Can



Keg

70-72 GL
01 PET
rPET

41 ALU
70 GL

01 PET
40 FE

These types of packaging materials have optimal barrier properties and can be recycled



Triangle/rectangle-shaped carton made of combined materials

81-85 C/PAP

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for collection and recycling



Spout pouch

(with an inflatable handle)

07 OTHER, C/*
(composite materials: PE/PP and others)



Bag-in-box

07 OTHER, C/*
(composite materials: PE/MetPet/PE, PE/EVOH/PE)



Flow pack / pouch

02 HDPE
04 LDPE
05 PP
07 OTHER, C/*
(composite material: PE/PP and others)

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Beverages

Recommendations on preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Bottle



01 PET bottle

rPET

70-72 GL

70-72 GL, 01 PET bottles are recyclable and have high barrier properties

GL can be safely reused by households. The weight and fragility of the material should be considered when opting for a glass package

When opting for a 01 PET bottle, see-through bottles of standard colours are recommended (light-blue, green, brown, colourless), while non-standard dyes and opacity fillers should be avoided (avoid acid, black, pink, white colours).

Optimal film/labels are recommended for use:

- Use 02 HDPE, 04 LDPE, and 05 PP films/labels instead of 03 PVC / 06 PS shrink film and labels. If shrinkage is necessary, the film/label should be applied at a smaller scale, and 01 PET shrinkage should be considered as an alternative.
- Labels that are easily detachable from the main package. The preferred option is a water soluble adhesive that must not be applied over the whole area of the label
- Paper labels, including those made of FSC certified raw materials, are the preferred option for 70-72 GL bottles
- Films/labels made of recycled materials are the recommended option

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

01 PET with recycled content is recommended

Beverages

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Can



41 ALU 70 GL

41 ALU, 70 GL cans have high barrier properties

GL can be safely reused by households

The weight and fragility of the material should be considered when opting for a glass package

For 41 ALU cans, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

Optimal film/labels are recommended for use:

- For 70 GL: see description above for the bottle packaging
- For 41 ALU: it is recommended that the information be applied directly on the package or a lightweight self-adhesive PET labelling be used.

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Keg



40 FE 01 PET

40 FE, 01 PET kegs have high barrier properties

For 40 FE and 01 PET kegs, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

This packaging is accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

40 FE kegs with recycled content are recommended

Beverages

Less preferred type of packaging

PACKAGING

81–85 C/PAP triangle/rectangle-shaped carton made of combined materials



ALTERNATIVE PACKAGING

01 PET, 70–72 GL bottle

40 FE keg (for large volumes of alcohol)

COMMENTS

81–85 C/PAP multilayer cartons are widely used for aseptic packaging, as they boast high barrier properties and are well-suited for long shelf life foods

It is recommended that the number of layers in this type of packaging be reduced (for example, the 41 ALU layer can be omitted)

If this category of beverages can be safely stored in 01 PET or 70 GL packaging, it should be used as an alternative

design

This packaging is more compact than its alternatives and weighs less compared to GL packaging.

Limitation: the packaging is multilayered and is made of multiple materials

raw materials and communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population*

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC)

* Waste collection and sorting are available in a number of regions; the recycling opportunities are limited due to the impurity of the fraction and combined packaging material

Beverages

Least preferred type of packaging

PACKAGING

07 OTHER, C/* bag-in-box

(composite materials: PE/MetPet/PE, PE/EVOH/PE)



- ✓ 01 PET, 70–72 GL bottle
- ✓ 40 FE keg (for large volumes of alcohol)
- Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

✓ No. 1 priority

ALTERNATIVE PACKAGING

COMMENTS

design

raw materials

Flow pack / pouch made of 02 HDPE, 04 LDPE, 05 PP, 07 OTHER, C/*

(composite materials: C/LDPE, C/PP, C/ALU and others)



- ✓ 01 PET, 70–72 GL bottle
- ✓ 40 FE keg (for large volumes of alcohol)
- Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

✓ No. 1 priority

Beverages

Least preferred type of packaging

PACKAGING

07 OTHER, C/* spout pouch (with an inflatable handle)

(composite material: PE/PP and others)



ALTERNATIVE PACKAGING

- ✓ 01 PET, 70–72 GL bottle
- ✓ 40 FE keg (for large volumes of alcohol)
- Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

COMMENTS

This type of packaging can be elevated to a more preferable category following upgrades in the waste collection system

design

This packaging is more compact than its alternatives and weighs less compared to GL packaging.

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste Sporadic pilot projects for collecting such packaging have been launched

✓ No. 1 priority



Eggs



Eggs. Category overview

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING



Egg packaging



Paper or plastic egg trays



Egg packaging



Egg packaging

(for quail eggs)

TYPE OF MATERIAL

PAP (moulded pulp)
22 PAP

PAP (moulded pulp)

06 PS (foamed / not foamed)

01 PET

COMMENTS

This type of packaging has optimal air permeability and durability and is made of recycled materials.

This is a preferred packaging option despite certain waste collection and recycling restrictions.

This packaging has optimal barrier properties and is made of recycled materials.
The packaging is often used with film, which makes it difficult to collect from individuals

These materials have low barrier properties and are almost never accepted for recycling

Eggs

Preferred type of packaging

PACKAGING

Egg packaging



PACKAGING MATERIALS

PAP (moulded pulp)

22 PAP

COMMENTS

This type of packaging has optimal air permeability and durability and is made of recycled materials.

FSC-certified materials are the preferred raw materials for this packaging, with recommendations in place to reflect relevant information on the label

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste.

The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

This is a preferred packaging option despite certain waste collection and recycling restrictions (recycling is associated with low margins)

raw materials and communications

Eggs

Less preferred type of packaging

PACKAGING

Plastic egg trays (PAP)



ALTERNATIVE PACKAGING

PAP (moulded pulp) egg packaging

22 PAP

COMMENTS

The packaging material is air permeable and durable but the use of film makes it difficult to collect from individuals

FSC-certified materials are the preferred raw materials for this packaging, with recommendations in place to reflect relevant information on the label

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste.
The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

raw materials and communications

Eggs

Least preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

06 PS egg packaging



(including foamed PS)

PAP (moulded pulp) egg packaging

22 PAP

Despite being cheaper than the moulded pulp packaging, this type of packaging has the following disadvantages:

- The packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.
- No public waste collection projects in place / sporadic pilot projects launched
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

01 PET egg packaging (for quail eggs)



PAP (moulded pulp) egg packaging

22 PAP

This packaging is not accepted for recycling under waste sorting arrangements and/or is

not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design
- Packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes



Grocery

(excluding sauces, honey, jam and oil)



Grocery (excluding sauces, honey, jam and oil)

- | | | | | | |
|----|---------------------------------------|----|--------------------------------|----|--------------------------------|
| 1 | Dietary supplements | 16 | Concentrated foods | 31 | Rusks |
| 2 | Diabetic foods | 17 | Coffee, cocoa, chocolate | 32 | Dry cereals, muesli |
| 3 | Bagels | 18 | Groats and grains | 33 | Dry foods and formulas (Food) |
| 4 | Waffles | 19 | Pasta | 34 | Dry foods and formulas (Fresh) |
| 5 | Vitamins and pet supplements | 20 | Flour | 35 | Dried fruit |
| 6 | Oriental sweets, halva | 21 | Nuts | 36 | Other bread |
| 7 | Dried mushrooms | 22 | Biscuits, crackers | 37 | Wheat bread |
| 8 | Canned infant formulas | 23 | Pies, fermented dough products | 38 | Rye bread |
| 9 | Dry infant formulas | 24 | Sports foods | 39 | Tea |
| 10 | Chewing gum | 25 | Ready-to-cook products | 40 | Chips |
| 11 | Breast-milk substitutes | 26 | Gingerbreads | 41 | Chocolate, sweet bars |
| 12 | Marshmallow, marmalade, fruit leather | 27 | Sugar | 42 | Chocolate spreads |
| 13 | Muffins, rolls | 28 | Seeds | | |
| 14 | Diabetic pastry and confectionery | 29 | Salt | | |
| 15 | Sweets | 30 | Spices | | |

Grocery. Category overview

(excluding sauces, honey, jam and oil)

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

TYPE OF PACKAGING



Box, container, tray



Blister pack, wrapping, paper bag



Film
(vacuum)



Cup/bucket, container, tray

TYPE OF MATERIAL

20 PAP
21 PAP

22 PAP

02 HDPE
04 LDPE

05 PP
02 HDPE
04 LDPE

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled



Cup/bucket, container



Wrapping



Flow pack, bag



Blister pack

01 PET

41 ALU

05 PP
02 HDPE
04 LDPE

01 PET

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their recycling

Grocery. Category overview

(excluding sauces, honey, jam and oil)

Least preferred type of packaging

not recommended for use

TYPE OF PACKAGING



Blister pack



Cup/bucket



Film
(shrink)



Perforated
bag



Container,
tray



Flow pack,
bag,
wrapping



Doypack,
pouch



Retort
pouch



Wrapping

TYPE OF MATERIAL

07 OTHER, C/*
(composite
materials:
C/LDPE, C/PP,
C/PVC, PVC/PET
and others)
06 PS
03 PVC

07 OTHER, C/*
(composite
materials:
C/LDPE, C/PP
and others)
03 PVC
06 PS

03 PVC

06 PS

07 OTHER
06 PS

07 OTHER, C/*
(composite
materials:
C/LDPE, C/PP,
PET/PE, PA/PE,
OPA/PE, EVOH,
PVDC and
others)

07 OTHER, C/*
(composite
materials:
C/LDPE, C/PP
and others)
02 HDPE
04 LDPE
05 PP

07 OTHER, C/*
(composite
materials: C/ALU
and others)

C/ALU

COMMENTS

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Grocery (excluding sauces, honey, jam and oil)

Preferred type of packaging

PACKAGING

Box, container, tray



20 PAP 21 PAP

PACKAGING MATERIALS

COMMENTS

PAP packaging is suitable for products that do not require high barrier properties

design

Avoid multicomponent packaging and additional packaging elements that may hamper further waste collection and recycling (for example, hard-to-remove labels, 03 PVC films, windowed packaging designs)

Avoid lamination

raw materials and communications

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for a 20–21 PAP packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Cup/bucket, tray, container



05 PP 02 HDPE, 04 LDPE

Avoid additional external packaging

Use an easily removable lid made of the same material as the packaging

Pay attention to films used with the packaging, as they may hamper further waste collection and recycling (03 PVC films are not recommended)

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Grocery (excluding sauces, honey, jam and oil)

Preferred type of packaging

PACKAGING

Film (vacuum)



02 HDPE, 04 LDPE

Vacuum film has high barrier properties and is therefore optimal for this category

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

Blister pack, wrapping, bag



22 PAP

PAP packaging is suitable for products that do not require high barrier properties

Avoid additional external packaging

Avoid lamination

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for a 22 PAP packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

PACKAGING MATERIALS

COMMENTS

design

raw materials and communications

Grocery (excluding sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

41 ALU wrapping



- 20-21 PAP cup/bucket, tray, container
- 22 PAP blister pack, wrapping, bag
- Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

41 ALU packaging is safe for product storage and human contact

ALTERNATIVE PACKAGING

01 PET cup/bucket, container



Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

COMMENTS

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size or light weight). The number of implemented collection projects is limited, which prevents a large scale collection of this faction from the public

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this faction from the general population

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design, packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

design

Use an easily removable lid made of the same material as the packaging

Grocery (excluding sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

Flow pack, bag made of 02 HDPE, 04 LDPE, 05 PP



Cup/bucket, tray, container made of 05 PP, 02 HDPE, 04 LDPE, 20–21 PAP

20 PAP, 21 PAP box

Reducing packaging material thickness without diminishing the barrier properties

ALTERNATIVE PACKAGING

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

raw materials and communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

design

When opting for a flow pack / bag, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / bag without a metallised layer

01 PET blister pack



Cup/bucket, tray, container made of 05 PP, 02 HDPE, 04 LDPE, 20–21 PAP

20 PAP, 21 PAP box

Reducing packaging material thickness without diminishing the barrier properties

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design, packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

Pay attention to films used with the packaging, as they may hamper further waste collection and recycling (03 PVC films are not recommended)

Grocery (excluding sauces, honey, jam and oil)

Least preferred type of packaging

PACKAGING

C/ALU wrapping



41 ALU wrapping

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched

ALTERNATIVE PACKAGING

COMMENTS

raw materials

design

Doypack / pouch made of 02 HDPE, 04 LDPE, 05 PP, 07 OTHER, C/*



(composite materials: C/ALU, C/LDPE, C/PP and others)

✓ Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

02 HDPE, 04 LDPE (vacuum) film

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.
No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

✓ No. 1 priority

07 OTHER, C/* retort pouch

(composite materials: C/ALU and others)



✓ Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

02 HDPE, 04 LDPE (vacuum) film

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

✓ No. 1 priority

Grocery (excluding sauces, honey, jam and oil)

Least preferred type of packaging

PACKAGING

Cup/bucket made of 03 PVC, 06 PS, 07 OTHER, C/*

(composite materials: C/LDPE, C/PP and others)



✓ Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

01 PET cup/bucket

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

ALTERNATIVE PACKAGING

COMMENTS

raw materials

design

Flow pack, bag, wrapping made of 07 OTHER, C/*

(composite materials: C/LDPE, C/PP, PET/PE, PA/PE, OPA/PE, EVOH, PVDC and others)



✓ Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

02 HDPE, 04 LDPE (vacuum) film

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

✓ No. 1 priority

Grocery (excluding sauces, honey, jam and oil)

Least preferred type of packaging

PACKAGING

Container, tray made of 06 PS, 07 OTHER, C/*



(composite materials: 90 C/ALU, C/PAP and others)

✓ Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP, 22 PAP

01 PET cup/bucket

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

ALTERNATIVE PACKAGING

COMMENTS

raw materials

Blister pack made of PVC/PET, 06 PS, 03 PVC, 07 OTHER, C/*



(composite materials: C/LDPE, C/PP, C/PVC and others)

20, 21 PAP box

22 PAP blister pack, wrapping

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

Grocery (excluding sauces, honey, jam and oil)

Least preferred type of packaging

PACKAGING

REVISED RECOMMENDATIONS

COMMENTS

[raw materials](#)

06 PS perforated bag



✓ Container, cup/bucket made of 02 HDPE, 04 LDPE, 05 PP

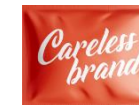
02 HDPE, 04 LDPE (vacuum) film

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

03 PVC (shrink) film



02 HDPE, 04 LDPE (vacuum) film

Opting for a thinner packaging material

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material



Grocery

(sauces, honey, jam and oil)



Grocery (sauces, honey, jam and oil)

- 1 Jam, honey
- 2 Mustard, horseradish sauce
- 3 Sauces
- 4 Oil

Grocery. Category overview

(sauces, honey, jam and oil)

Preferred type of packaging

recommended for use

Less preferred type of packaging

recommended for use in certain cases

TYPE OF PACKAGING



Bottle **Can** **Container, cup/bucket**



Tube **Cup/bucket, container** **Doypack, pouch** **Retort pouch** **Triangle/rectangle-shaped carton** **Film (vacuum)**

TYPE OF MATERIAL

01 PET	40 FE	05 PP
rPET	41 ALU	
70-72 GL	70 GL	
02 HDPE		

02 HDPE	01 PET	02 HDPE	07 OTHER, C/* (composite materials: C/ALU and others)	81-85 C/PAP	02 HDPE
04 LDPE		04 LDPE			04 LDPE
41 ALU		05 PP			
		07 OTHER, C/* (composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)			

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled





These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their recycling

Grocery. Category overview

(sauces, honey, jam and oil)

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING

			
<p>Cup/bucket</p>	<p>Container</p>	<p>Flow pack, film (vacuum, shrink film)</p>	<p>Tube</p>
<p>06 PS 03 PVC 07 OTHER, C/* (composite materials: C/LDPE, C/PP and others)</p>	<p>06 PS 07 OTHER</p>	<p>07 OTHER, C/* (composite materials: C/LDPE, C/PP and others)</p>	<p>07 OTHER, C/* (composite materials: C/LDPE, C/PP and others)</p>
<p>These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties</p>			

COMMENTS

Grocery (sauces, honey, jam and oil)

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Bottle



01 PET, rPET (including for products with oil-containing components)

02 HDPE 70-72 GL

70 -72 GL, 01 PET and 02 HDPE bottles have high barrier properties

GL can be safely reused by households. The weight and fragility of the material should be considered when opting for a glass package

When opting for a 01 PET bottle, see-through bottles of standard colours are recommended (light-blue, green, brown, colourless), while non-standard dyes and opacity fillers should be avoided (avoid acid, black, pink, white colours)

Optimal film/labels are recommended for use:

- Use 02 HDPE, 04 LDPE, and 05 PP films/labels instead of 03 PVC / 06 PS shrink film and labels. If shrinkage is necessary, the film/label should be applied at a smaller scale, and 01 PET shrinkage should be considered as an alternative.
- Labels that are easily detachable from the main package. The preferred option is a water soluble adhesive that must not be applied over the whole area of the label
- Paper labels, including those made of FSC certified raw materials, are the preferred option for 70-72 GL bottles
- Films/labels made of recycled materials are the recommended option

- This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste
- 01 PET with recycled content is recommended
- 01 PET oil packaging may not always be accepted for recycling due to low margins; nevertheless, it is optimal for oil-containing products

Grocery (sauces, honey, jam and oil)

Recommendations on preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Can



- 40 FE
- 41 ALU
- 70 GL

GL can be safely reused by households. The weight and fragility of the material should be considered when opting for a glass package

For 40 FE and 41 ALU cans, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

Optimal film/labels are recommended for use:

- Labels that are easily detachable from the main package (proper adhesive is important)
- Paper labels, including those made of FSC certified raw materials, are preferred
- Labels made of recycled materials are recommended

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

40 FE and 41 ALU cans with recycled content are recommended

Container, cup/bucket



- 05 PP

When opting for 05 PP, please pay attention to films used with the container, as they may hamper further waste collection and recycling

(03 PVC films are not recommended)

Use an easily removable lid made of the same material as the packaging

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Grocery (sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

**Tube made of
41 ALU,
02 HDPE, 04 LDPE**



ALTERNATIVE PACKAGING

Bottle made of 01 PET, 02 HDPE or 70–72 GL

40 FE, 41 ALU, 70 GL can

05 PP container

COMMENTS

41 ALU packaging is safe for product storage and human contact

41 ALU, 02 HDPE and 04 LDPE tubes have high barrier properties

raw materials

There are limited recycling opportunities for tubes under the waste sorting arrangements and/or they are rarely selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

design

**01 PET cup/bucket,
container**



05 PP container, tray, cup/bucket

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Restrictions related to the recycling of non-bottle PET packaging:

- There is no unified PET packaging design, packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

Use an easily removable lid made of the same material as the packaging

Pay attention to films used with the packaging, as they may hamper further waste collection and recycling (03 PVC films are not recommended)

Grocery (sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

Doypack/pouch made of 02 HDPE, 04 LDPE, 05 PP, 07 OTHER, C/*

(composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)



ALTERNATIVE PACKAGING

✓ 01 PET, 02 HDPE and 70 GL bottle

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

COMMENTS

Multilayer composite packaging is widely used for grocery products, as it boasts high barrier properties and is well-suited for long shelf life foods

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.
 No public waste collection projects in place / sporadic pilot projects launched

The recommendation is to move away from pouches, doypacks and flow packs made of C/* material and containing an ALU layer in favour of materials without the ALU layer and mono-material packaging (for example, mono-PE – 02 HDPE, 04 LDPE or mono-PP – 05 PP). Such packaging has similar barrier properties and is more eco-friendly (for example, exclusion of ALU reduces the environmental footprint). This transition should be made when the infrastructure for collecting this packaging from the general population is sufficiently developed

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

design

This packaging is more compact and weighs less compared to its alternatives

The preferred option is to sell goods in large-size packaging

✓ No. 1 priority

Grocery (sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

07 OTHER, C/* retort pouch

(composite materials: C/ALU and others)



ALTERNATIVE PACKAGING

✓ 01 PET, 02 HDPE and 70 GL bottle

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

COMMENTS

Multilayer composite packaging is widely used for grocery products, as it boasts high barrier properties and is well-suited for long shelf life foods

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched

The recommendation is to move away from retort pouches made of C/* material and containing an ALU layer in favour of materials without the ALU layer. Such packaging has similar barrier properties and is more eco-friendly (exclusion of ALU reduces the environmental footprint). This transition should be made when the infrastructure for collecting this packaging from the general population is sufficiently developed

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

design

This packaging is more compact and weighs less compared to its alternatives

The preferred option is to sell goods in large-size packaging

✓ No. 1 priority

Grocery (sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials



ALTERNATIVE PACKAGING

70 GL, 40 FE and 41 ALU can

COMMENTS

81–85 C/PAP multilayer cartons are widely used for aseptic packaging, as they boast high barrier properties and are well-suited for long shelf life foods

It is recommended that the number of layers in this type of packaging be reduced (for example, the 41 ALU layer can be omitted)

If this category of beverages can be safely stored in 01 PET or 70 GL packaging, it should be used as an alternative

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population*

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC)

* Waste collection and sorting are available in a number of regions; the recycling opportunities are limited due to the impurity of the fraction and combined packaging material

design

This packaging is more compact than its alternatives and weighs less compared to GL packaging.

Limitation: the packaging is multilayered and is made of multiple materials

Grocery (sauces, honey, jam and oil)

Less preferred type of packaging

PACKAGING

02 HDPE, 04 LDPE (vacuum) film



ALTERNATIVE PACKAGING

05 PP container, cup/bucket

Reducing the thickness of the layer without diminishing the barrier properties

COMMENTS

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges)

The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

design

When opting for a film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

communications

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

Grocery (sauces, honey, jam and oil)

Least preferred type of packaging

PACKAGING

Cup/bucket made of 03 PVC, 06 PS, 07 OTHER, C/*

(composite materials: C/LDPE, C/PP and others)



- ✓ 05 PP container, cup/bucket
- ✓ 70 GL, 40 FE and 41 ALU can
- 01 PET cup/bucket

The packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

ALTERNATIVE PACKAGING

07 OTHER, C/* flow pack and (vacuum, shrink) film

(composite materials: C/LDPE, C/PP and others)



- ✓ 01 PET, 02 HDPE and 70 GL bottle
- ✓ 05 PP container, cup/bucket
- 02 HDPE, 04 LDPE (vacuum) film
- Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials
- Reducing the thickness of the layer without diminishing the barrier properties

The packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

✓ No. 1 priority

COMMENTS

raw materials

design

Grocery (sauces, honey, jam and oil)

Least preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS
raw materials

07 OTHER, 06 PS container



✓ 05 PP container, cup/bucket

✓ 70 GL, 40 FE and 41 ALU can

01 PET cup/bucket

The packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

07 OTHER, C/* tube

(composite materials: C/LDPE, C/PP and others)



✓ 05 PP container, cup/bucket

✓ 70 GL, 40 FE and 41 ALU can

01 PET cup/bucket

Tube made of 41 ALU, 02 HDPE, 04 LDPE

A 07 OTHER, C/* tubes are not accepted for recycling under waste sorting arrangements and/or are not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority



Fruits & vegetables



Fruits & Vegetables

- 1 Vegetables / Mushrooms
- 2 Vegetables / Greens
- 3 Fruits / Exotic
- 4 Fruits / Berries

Fruits & Vegetables. Category overview

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING

No packaging



Mesh, cardboard sleeve, tags

Container



Tray



Perforated bag, film



Container, tray



Bag, film



Mesh



(vacuum, shrink film)

TYPE OF MATERIAL

n/a

20 PAP
21 PAP

05 PP

20 PAP
21 PAP
(including moulded pulp)
05 PP
50 FOR

02 HDPE
04 LDPE
05 PP
22 PAP

01 PET
06 PS
07 OTHER

01 PET
06 PS
07 OTHER

05 PP
02 HDPE
04 LDPE
03 PVC
06 PS

COMMENTS

The preferred option for this product category is not to use packaging

These types of packaging materials have optimal barrier properties and can be recycled

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their recycling

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Fruits & Vegetables

Preferred type of packaging

PACKAGING

No packaging

PACKAGING MATERIALS

n/a

COMMENTS

Fruits and vegetables rarely require packaging, as their peel serves as a natural barrier

raw materials

Mesh, cardboard sleeve, tag



20–22 PAP

Use mesh to divide products into separate portions and 20–22 PAP tags to reflect the product information

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

FSC-certified materials are the preferred raw materials for this packaging, with recommendations in place to reflect relevant information on the label

Fruits & Vegetables

Less preferred type of packaging

PACKAGING AND MATERIAL

ALTERNATIVE PACKAGING

COMMENTS

raw materials

05 PP container



No packaging

Packaging should only be used for cut, loose or washed fruits and vegetables. The share of such packaged goods (cut, etc.) should be decreased, as they increase the amount of food waste present in the solid municipal waste. Fruits and vegetables have a natural barrier that slows down their deterioration.

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Tray made of 20–21 PAP, moulded pulp, 50 FOR, 05 PP



No packaging

If packaging is necessary, use a base layer made of moulded pulp, 20, 21 PAP

Packaging should only be used for cut, loose or washed fruits and vegetables. The share of such packaged goods (cut, etc.) should be decreased, as they increase the amount of food waste present in the solid municipal waste. Fruits and vegetables have a natural barrier that slows down their deterioration

This packaging (excluding 50 FOR) is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste (as long as the packaging is not contaminated)

50 FOR:

- This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched
- The material is safe

When opting for 20–21 PAP, 50 FOR packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Fruits & Vegetables

Less preferred type of packaging

PACKAGING AND MATERIAL

Bag (incl. perforated), film made of 05 PP, 02 HDPE, 04 LDPE, 22 PAP (incl. moisture-resistant paper)



ALTERNATIVE PACKAGING

No packaging

COMMENTS

Condensation may occur inside the bag/film, causing spoilage or rotting. This may increase the amount of food waste present in the solid municipal waste. This packaging is widely used for preliminary packing, including together with trays

design

When opting for a bag/film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Film/bag without a metallised layer

raw materials

There are limited recycling opportunities for flexible polymer packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population
Packaging with recycled content is recommended

communications

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

When opting for a 22 PAP packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Fruits & Vegetables

Least preferred type of packaging

PACKAGING AND MATERIAL

ALTERNATIVE PACKAGING

COMMENTS

raw materials

Container, trays made of 01 PET, 06 PS, 07 OTHER



No packaging

If packaging is necessary (cut, washed or small and loose products):

05 PP container

Tray made of 20, 21 PAP, 50 FOR or 05 PP

Bag/film made of 05 PP, 02 HDPE, 04 LDPE

01 PET: There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design
- Packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

06 PS and 07 OTHER cannot be recycled under waste sorting arrangements and/or are not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)
- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

Mesh made of 05 PP, 04 LDPE, 02 HDPE, 03 PVC, 06 PS



Bag and film made of 05 PP, 02 HDPE, 04 LDPE, 22 PAP (moisture-resistant paper)

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)
- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

Fruits & Vegetables

Least preferred type of packaging

PACKAGING AND MATERIAL

Bag / (vacuum, shrink) film made of 01 PET, 03 PVC, 07 OTHER, C/*

(composite materials: C/LDPE, C/PP and others)



ALTERNATIVE PACKAGING

No packaging

If packaging is necessary (cut, washed or small and loose products):

05 PP container

Tray made of 20, 21 PAP, 50 FOR or 05 PP

Bag/film made of 05 PP, 02 HDPE, 04 LDPE

COMMENTS

Condensation may occur inside the bag/film, causing spoilage or rotting. This may increase the amount of food waste present in the solid municipal waste.

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design, packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

Currently, there is no proper infrastructure for the collection and mass recycling (composting) of biodegradable packaging in Russia; if recycled, such packaging may pollute polymer fractions

raw materials



Canned foods



Canned foods

- 1 Canned meats
- 2 Canned vegetables
- 3 Canned fish
- 4 Canned fruits and berries

Canned foods. Category overview

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING



Can



Container



Triangle/rectangle-shaped carton made of combined materials



Container

TYPE OF MATERIAL

40 FE
70 GL

41 ALU

81-85 C/PAP

90 C/ALU

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled

This type of packaging materials has relatively high barrier properties, but there are limited opportunities for its recycling

This type of packaging materials is hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Canned foods

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

raw materials

design

Can



40 FE 70 GL

40 FE and 70 GL cans have high barrier properties

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

40 FE cans with recycled content are recommended

For 40 FE cans, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

GL can be safely reused by households

The weight and fragility of the material should be considered when opting for a glass package

Optimal film/labels are recommended for use:

- Use 02 HDPE, 04 LDPE, and 05 PP films/labels instead of 03 PVC / 06 PS shrink film and labels. If shrinkage is necessary, the film/label should be applied at a smaller scale, and 01 PET shrinkage should be considered as an alternative.
- Labels that are easily detachable from the main package. The preferred option is a water soluble adhesive that must not be applied over the whole area of the label
- Paper labels, including those made of FSC certified raw materials, are the preferred option for 70-72 GL cans
- Films/labels made of recycled materials are the recommended option

Container



41 ALU

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

41 ALU containers with recycled content are recommended

For 41 ALU containers, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

Use an easily removable lid made of the same material as the packaging

Canned foods

Less preferred type of packaging

PACKAGING

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials



ALTERNATIVE PACKAGING

40 FE cans

41 ALU containers

70 GL cans

COMMENTS

81–85 C/PAP multilayer cartons are widely used for aseptic packaging, as they boast high barrier properties and are well-suited for long shelf life foods

It is recommended that the number of layers in this type of packaging be reduced (for example, the 41 ALU layer can be omitted)

design

This packaging is more compact than its alternatives and weighs less compared to GL packaging.

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population*

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC)

* Waste collection and sorting are available in a number of regions; the recycling opportunities are limited due to the impurity of the fraction and combined packaging material

Canned foods

Least preferred type of packaging

PACKAGING

90 C/ALU container



ALTERNATIVE PACKAGING

40 FE cans

41 ALU containers

70 GL cans

COMMENTS

design

Suboptimal packaging design: despite boasting high barrier properties and small weight, the packaging is combined (consists of multiple elements/layers and materials)

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched



Non-food



Non-food

- 1 Decorative products (Cosmetics & Detergents)
- 2 Packaging materials (Food)
- 3 Housewares
- 4 Car accessories
- 5 Vehicles
- 6 Audio & Video accessories
- 7 Audio equipment
- 8 Video equipment
- 9 Game consoles, accessories
- 10 Climate control equipment
- 11 Computers and computer accessories
- 12 Health & Beauty products
- 13 Data storage media
- 14 Office appliances
- 15 Phones and accessories
- 16 Kitchen appliances
- 17 Household cleaning and clothing care appliances
- 18 New technology products
- 19 Photo cameras
- 20 Clock & Watch
- 21 Batteries
- 22 Luggage bags and suitcases
- 23 Small wares
- 24 Umbrellas
- 25 Leather accessories
- 26 Haberdashery supplies
- 27 Décor items (Non-food)
- 28 Sewing supplies
- 29 Playground equipment
- 30 Toys
- 31 Prams and car seats
- 32 Arts & Crafts sets
- 33 Baby tableware sets
- 34 Children safety products
- 35 Mommy & Baby products
- 36 Children's furniture
- 37 Household furniture
- 38 House shoes
- 39 Pool and beach shoes
- 40 Casual footwear
- 41 Rubber shoes
- 42 Clothing accessories
- 43 Outerwear
- 44 Headwear and accessories
- 45 Swimsuits

Non-food





- 46 Underwear
- 47 Baby clothes
- 48 Nightwear & Loungewear
- 49 Casual clothes
- 50 Hosiery
- 51 Camping equipment
- 52 Picnic essentials
- 53 Sauna accessories
- 54 Plants
- 55 Garden machinery and pumps
- 56 Garden décor
- 57 Gardening equipment
- 58 Garden care products
- 59 Packaging materials (Non-Food)
- 60 Bicycles
- 61 Water sports equipment
- 62 Winter essentials
- 63 Motorcycles and power equipment
- 64 Free weights
- 65 Sports gear
- 66 Exercise machines
- 67 Fitness equipment
- 68 Home textiles
- 69 Household supplies
- 70 Home décor
- 71 Kitchenware
- 72 Incandescent bulbs
- 73 Disposable tableware
- 74 Bathroom fixtures
- 75 Candles
- 76 Serveware
- 77 Bath products
- 78 Clothes storage solutions
- 79 Cat supplies
- 80 Dog supplies
- 81 Other pet supplies
- 82 Easter products
- 83 Christmas and New Year products
- 84 Tools
- 85 Household hardware
- 86 DIY tools and supplies
- 87 Jewellery




Non-food. Category overview

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

TYPE OF PACKAGING

				
	No packaging	Bag, wrapping, blister pack	Box	Container
TYPE OF MATERIAL	n/a	22 PAP Recycled materials are the recommended option for these types of packaging	20–21 PAP	05 PP
COMMENTS	Many non-foods retain their consumer properties without a packaging	These types of packaging materials have optimal barrier properties and can be recycled		

		
Blister pack	Bag, film (vacuum, shrink film)	Flow pack, bag, wrapping
01 PET	02 HDPE 04 LDPE	05 PP 02 HDPE 04 LDPE
These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their recycling		

Non-food. Category overview

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING



Blister pack



Film
(shrink)



Container



Flow pack, wrapping, bag

TYPE OF MATERIAL

06 PS

03 PVC

C/* (composite materials: C/LDPE, C/PP, C/PVC, PVC/PET and others)

03 PVC

07 OTHER

07 OTHER

C/* (composite materials: C/LDPE, C/PP, PET/PE, BOPP/PE, PS/PE and others)

COMMENTS

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Non-food

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials and communications

No packaging

n/a

Non-foods often retain their consumer properties without a packaging if laid out appropriately in the selling area

Box



20 PAP

21 PAP

Avoid multicomponent packaging and additional packaging elements that may hamper further waste collection and recycling (for example, hard-to-remove labels, 03 PVC films, windowed packaging designs)

Avoid lamination

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for this type of packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Bag, wrapping, blister pack



22 PAP

Avoid additional external packaging

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for this type of packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Non-food

Preferred type of packaging

PACKAGING

Container



05 PP

When opting for 05 PP, please pay attention to films used with the container, as they may hamper further waste collection and recycling

(03 PVC films are not recommended)

Use an easily removable lid made of the same material as the packaging

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

General recommendations for the category:

Avoid any additional elements in the packaging:

- avoid using a separate sheet for instructions (frequently made of composite materials / attached with an adhesive tape)
- avoid using shrink film as a label
- if additional elements are necessary, it is recommended that easily removable paper labels be used, or information be placed directly on the packaging (where possible)

Recycled materials are the recommended option as, unlike in the food category, there are no restrictions on their use for packing non-foods

COMMENTS

design

raw materials

Non-food

Less preferred type of packaging

PACKAGING

Flow pack, bag, wrapping made of 02 HDPE, 04 LDPE, 05 PP



ALTERNATIVE PACKAGING

✓ No packaging

Reducing packaging thickness without diminishing the barrier properties

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

design

When opting for a flow pack / bag / wrapping, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / bag / wrapping without a metallised layer

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Communications

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

✓ No. 1 priority

Bag, (vacuum, shrink) film made of 02 HDPE, 04 LDPE



✓ No packaging

Reducing packaging thickness without diminishing the barrier properties

02 HDPE, 04 LDPE and 05 PP materials have high durability

When opting for a bag/film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Film/bag without a metallised layer

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

✓ No. 1 priority

Non-food

Less preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

01 PET blister pack



✓ No packaging

20, 21 PAP box

A blister pack often has multiple components and features additional elements that may hamper further waste collection and recycling (for example, hard-to-remove labels, 03 PVC films)

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste.

The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design
- Packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

✓ No. 1 priority

Non-food

Least preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

03 PVC (shrink) film



- Bag, (vacuum, shrink) film made of 02 HDPE, 04 LDPE
- Opting for a thinner packaging material

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

07 OTHER container



- No packaging
- 05 PP container
- 20, 21 PAP box
- 02 HDPE, 04 LDPE, 05 PP flow pack, film, wrapping

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

Non-food

Least preferred type of packaging

PACKAGING

Flow pack, wrapping, bag made of 07 OTHER, C/*

(composite materials: C/LDPE, C/PP, PET/PE, BOPP/PE, PS/PE and others)



02 HDPE, 04 LDPE, 05 PP flow pack, film, wrapping

Opting for a thinner composite material

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

ALTERNATIVE PACKAGING

COMMENTS

raw materials

Blister pack made of 06 PS, 03 PVC, C/*

(composite materials: C/LDPE, C/PP, C/PVC, PVC/PET and others)



✓ 20, 21 PAP box

Blister pack made of 01 PET, 02 HDPE, 04 LDPE, 05 PP

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority



Fresh meat, fish and cheese



Fresh meat, fish and cheese

- 1 Cheese
- 2 Deli
- 3 Sausage products
- 4 Smoked beef
- 5 Smoked pork
- 6 Smoked poultry
- 7 Other smoked meat
- 8 Meat and chilled ready-to-cook food
- 9 Minced meat
- 10 Poultry and chilled ready-to-cook food
- 11 Chilled seafood, crustaceans
- 12 Live fish
- 13 Chilled fish
- 14 Caviar
- 15 Crab sticks and chilled crab meat
- 16 Preserves
- 17 Dried or cured fish
- 18 Smoked fish
- 19 Salted fish
- 20 Ready-to-eat fish meals

Note: recommendations for canned and frozen products are presented separately in the specified categories

Fresh meat, fish and cheese. Category overview

Preferred type of packaging recommended for use

Less preferred type of packaging recommended for use in certain cases

Least preferred type of packaging not recommended for use

TYPE OF PACKAGING



Film
(vacuum)



**Container,
tray,
cup/bucket**

**Vacuum
film and
flow pack**



**Flow pack,
film**
(shrink)



**Container,
tray,
cup/bucket**

Wrapping



Film
(shrink)



**Container,
tray**

TYPE OF MATERIAL

02 HDPE
04 LDPE

02 HDPE
04 LDPE
05 PP

07 OTHER
C/*
(composite materials:
C/LDPE, C/PP,
PET/PE, PA/PE,
OPA/PE, EVOH,
PVDC and others)

02 HDPE
04 LDPE
05 PP

01 PET

41 ALU

03 PVC

07 OTHER
06 PS

COMMENTS

These types of packaging and materials have optimal barrier properties. These are the preferred packaging options despite certain waste collection and recycling restrictions

In some cases, these types of packaging and packaging materials have optimal barrier properties among alternatives from the same price segment. There are restrictions concerning recycling of this packaging

These types of packaging and materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Fresh meat, fish and cheese

Preferred type of packaging

PACKAGING

(Vacuum) film and flow pack



07 OTHER

C/* (composite materials: C/LDPE, C/PP, PET/PE, PA/PE, OPA/PE, EVOH, PVDC and others)

This packaging is widely used for this category: materials have high barrier properties, low gas permeability and are opted for when there are no alternatives with equal or better barrier properties

When opting for a flow pack / film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

PACKAGING MATERIALS

COMMENTS

design

raw materials and communications

(Vacuum) film



04 LDPE

02 HDPE

When opting for a film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

(Vacuum) film without a metallised layer

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

Fresh meat, fish and cheese

Preferred type of packaging

PACKAGING

Container, tray, cup/bucket



PACKAGING MATERIALS

02 HDPE

04 LDPE

05 PP

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

design

When opting for 05 PP, please pay attention to films used with the container, as they may hamper further waste collection and recycling (03 PVC films are not recommended)

Use an easily removable lid made of the same material as the packaging

raw materials

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Fresh meat, fish and cheese

Less preferred type of packaging

PACKAGING

01 PET container, tray, cup/bucket



05 PP container, tray, cup/bucket

ALTERNATIVE PACKAGING

COMMENTS

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this faction from the general population

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design
- Packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

design

Use an easily removable lid made of the same material as the packaging

40 ALU wrapping



Container, tray, cup/bucket made of 05 PP, 02 HDPE, 04 LDPE

02 HDPE, 04 LDPE (vacuum) film

41 ALU packaging is safe for product storage and human contact

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size or light weight). The number of implemented waste collection projects is limited, which prevents large-scale collection of this faction from the general population

Fresh meat, fish and cheese

Less preferred type of packaging

PACKAGING

Flow pack and film (incl. shrink film) made of 02 HDPE, 04 LDPE, 05 PP



ALTERNATIVE PACKAGING

✓ 05 PP container, tray, cup/bucket

Opting for a thinner packaging material

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

raw materials

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges).

The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

design

When opting for a flow pack / film, make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / film without a metallised layer

communications

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

✓ No. 1 priority

Fresh meat, fish and cheese

Least preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

03 PVC (shrink) film



- ✓ 05 PP container/tray
- 02 HDPE, 04 LDPE (vacuum) film
- 07 Other or C/* film
- Opting for a thinner packaging material
- Other recyclable alternatives with equal barrier properties

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

✓ No. 1 priority

Containers and trays made of 07 OTHER and 06 PS (foamed and hard plastics)



- ✓ 05 PP container/tray
- 01 PET container/tray

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority



Dairy products

(excluding cheese)



Dairy products (excluding cheese)

- 1 Baby dairy products
- 2 Freshly baked cakes and pastries
- 3 Desserts
- 4 Cultured dairy products
- 5 Fat-and-oil products
- 6 Milk
- 7 Cream

Dairy products. Category overview

(excluding cheese)

Preferred type of packaging

recommended for use

Less preferred type of packaging

recommended for use in certain cases

TYPE OF PACKAGING



Bottle



Can



Container, tray, cup/bucket



Cup/bucket, container, film, tray



Triangle/rectangle-shaped carton made of combined materials



Flow pack, bag, film



Bag, film
(vacuum, shrink film)

TYPE OF MATERIAL

70 GL
01 PET
rPET
02 HDPE

70 GL
40 FE

05 PP

01 PET

81-85 C/PAP

02 HDPE
04 LDPE
05 PP

02 HDPE
04 LDPE

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their recycling

Dairy products. Category overview







(excluding cheese)

Least preferred type of packaging
not recommended for use

TYPE OF PACKAGING Doypack, pouch

TYPE OF MATERIAL

COMMENTS

					
	<p>Cup/bucket, container, tray</p>	<p>Flow pack and film (vacuum)</p>	<p>Film (shrink)</p>	<p>Container, tray</p>	<p>Spout pouch</p> <p>(packaging with an inflatable handle)</p>
<p>07 OTHER C/* (composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)</p>	<p>03 PVC 06 PS</p>	<p>07 OTHER C/* (composite materials: C/LDPE, C/PP, PET/PE, PA/PE, OPA/PE, EVOH, PVDC and others)</p>	<p>03 PVC</p>	<p>07 OTHER C/* (composite materials)</p>	<p>07 OTHER C/* (composite materials: PE/PP and others)</p>
<p>These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties</p>					

Dairy products (excluding cheese)

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Bottle



- 70 GL
- 01 PET
- rPET
- 02 HDPE

70 GL, 01 PET and 02 HDPE bottles have high barrier properties

GL can be safely reused by households. The weight and fragility of the material should be considered when opting for a glass package

When opting for a 01 PET bottle, see-through bottles of standard colours are recommended (light-blue, green, brown, colourless), while non-standard dyes and opacity fillers should be avoided (avoid acid, black, pink, white colours).

Optimal film/labels are recommended for use:

- Use 02 HDPE, 04 LDPE, and 05 PP films/labels instead of 03 PVC / 06 PS shrink film and labels. If shrinkage is necessary, the film/label should be applied at a smaller scale, and 01 PET shrinkage should be considered as an alternative.
- Labels that are easily detachable from the main package. The preferred option is a water soluble adhesive that must not be applied over the whole area of the label
- Paper labels, including those made of FSC certified raw materials, are the preferred option for 70 GL bottles
- Films/labels made of recycled materials are the recommended option

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

01 PET with recycled content is recommended

Dairy products (excluding cheese)

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Can



70 GL 40 FE

40 FE, 70 GL cans have high barrier properties

GL can be safely reused by households

The weight and fragility of the material should be considered when opting for a glass package

For 40 FE cans, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

Optimal film/labels are recommended for use:
(see description above for the bottle packaging)

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

40 FE cans with recycled content are recommended

Container, tray, cup/bucket



05 PP

05 PP packaging material is resistant to temperature variations

Optimal film/labels are recommended for use:

- Use 02 HDPE, 04 LDPE, and 05 PP films/labels instead of 03 PVC / 06 PS shrink film and labels. If shrinkage is necessary, the film/label should be applied at a smaller scale, and 01 PET shrinkage should be considered as an alternative.
- Labels that are easily detachable from the main package. The preferred option is a water soluble adhesive that must not be applied over the whole area of the label
- Use an easily removable lid made of the same material as the packaging

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Dairy products (excluding cheese)

Less preferred type of packaging

PACKAGING

Flow pack, bag, wrapping made of 02 HDPE, 04 LDPE, 05 PP



- ✓ 05 PP container
- ✓ 70 GL bottle, can

Reducing packaging thickness without diminishing the barrier properties

02 HDPE, 04 LDPE and 05 PP materials have high durability

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

When opting for a flow pack / bag / wrapping, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / bag / wrapping without a metallised layer

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

✓ No. 1 priority

ALTERNATIVE PACKAGING

02 HDPE / 04 LDPE (vacuum, shrink) film and bag



- ✓ 05 PP container
- ✓ 70 GL bottle, can

Reducing packaging thickness without diminishing the barrier properties

02 HDPE, 04 LDPE and 05 PP materials have high durability

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

When opting for a bag/film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Film/bag without a metallised layer

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

✓ No. 1 priority

COMMENTS

raw materials

design

communications

Dairy products (excluding cheese)

Less preferred type of packaging

PACKAGING

PET 01 cup/bucket, container, film, tray



✓ 05 PP container

✓ 70 GL bottle, can

ALTERNATIVE PACKAGING

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials



70 GL, 01 PET and 02 HDPE bottle

COMMENTS

81–85 C/PAP multilayer cartons are widely used for aseptic packaging, as they boast high barrier properties and are well-suited for long shelf life foods. It is recommended that the number of layers in this type of packaging be reduced (for example, the 41 ALU layer can be omitted).

If this category of beverages can be safely stored in 01 PET, 02 HDPE or 70 GL packaging, it should be used as an alternative.

design

Use an easily removable lid made of the same material as the packaging.

This packaging is more compact than its alternatives and weighs less compared to GL packaging.

Limitation: the packaging is multilayered and is made of multiple materials.

raw materials and communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population.

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design
- Packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

✓ No. 1 priority

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population*.

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC).

* Waste collection and sorting are available in a number of regions; the recycling opportunities are limited due to the impurity of the fraction and combined packaging material.

Dairy products (excluding cheese)

Least preferred type of packaging

PACKAGING

07 OTHER, C/* (vacuum) film and flow pack

(composite materials: C/LDPE, C/PP, PET/PE, PA/PE, OPA/PE, EVOH, PVDC and others)



- ✓ 05 PP container
- ✓ 70 GL bottle, can

Flow pack, (vacuum, shrink) film made of 02 HDPE, 04 LDPE, and 05 PP

Reducing packaging thickness without diminishing the barrier properties

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

ALTERNATIVE PACKAGING

COMMENTS

raw materials

03 PVC (shrink) film



- ✓ 05 PP container
- ✓ 70 GL bottle, can

Flow pack, (vacuum, shrink) film made of 02 HDPE, 04 LDPE, and 05 PP

Reducing packaging thickness without diminishing the barrier properties

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

✓ No. 1 priority

Dairy products (excluding cheese)

Least preferred type of packaging

PACKAGING

Container, tray made of 07 OTHER, C/*

(composite materials)



✓ 05 PP container/tray

01 PET container/tray

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

ALTERNATIVE PACKAGING

COMMENTS

raw materials

Cup/bucket, container, tray made of 03 PVC, 06 PS



✓ 05 PP container/tray

01 PET container/tray

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

Dairy products (excluding cheese)

Least preferred type of packaging

PACKAGING

Doypack/pouch made of 02 HDPE, 04 LDPE, 05 PP, 07 OTHER, C/*

(composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)



ALTERNATIVE PACKAGING

- ✓ 01 PET, 02 HDPE and 70 GL bottle
- Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

COMMENTS

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

The recommendation is to move away from pouches, doypacks and flow packs made of C/* material and containing an ALU layer in favour of materials without the ALU layer and mono-material packaging (for example, mono-PE – 02 HDPE, 04 LDPE or mono-PP – 05 PP). Such packaging has similar barrier properties and is more eco-friendly (for example, exclusion of ALU reduces the environmental footprint). This transition should be made when the infrastructure for collecting this packaging from the general population is sufficiently developed

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

design

This packaging is more compact and weighs less compared to its alternatives

The preferred option is to sell goods in large-size packaging

- ✓ No. 1 priority

Dairy products (excluding cheese)

Least preferred type of packaging

PACKAGING

07 OTHER, C/* spout pouch (with an inflatable handle)



(composite materials: PE/PP and others)

ALTERNATIVE PACKAGING

✓ 01 PET, 02 HDPE and 70 GL bottle

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials

COMMENTS

raw materials

This type of packaging can be elevated to a more preferable category following upgrades in the waste collection system

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste Sporadic pilot projects for collecting such packaging have been launched

design

This packaging is more compact than its alternatives and weighs less compared to GL packaging

✓ No. 1 priority



Household chemicals and care products



Household chemicals and care products

- 1 Children's hygiene products
- 2 Fragrance diffusers
- 3 Oral hygiene products
- 4 Make-up and colognes
- 5 Insecticides
- 6 Skin care creams and beauty products
- 7 Detergents and cleaning agents
- 8 Shaving products
- 9 Hair care
- 10 Shower products
- 11 Bedding and clothing care products
- 12 Personal care products
- 13 Shoe care products
- 14 Car care chemicals and cosmetics
- 15 Bathing and care products

Household chemicals and care products. Category overview

Preferred type of packaging
recommended for use

Less preferred type of packaging
recommended for use in certain cases

TYPE OF PACKAGING



Bottle



Vial



Ampoule



Bag, wrapping, blister pack

TYPE OF MATERIAL

01 PET
02 HDPE
70 GL
40 FE, 41 ALU

01 PET
02 HDPE, 04 LDPE
70 GL
40 FE, 41 ALU

70 GL
01 PET
02 HDPE
40 FE, 41 ALU

20-22 PAP

TYPE OF PACKAGING



Box



Container



Tube

TYPE OF MATERIAL

20-21 PAP

05 PP

41 ALU
02 HDPE
04 LDPE

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled



Spray bottle



Spray can



Blister pack

A spray bottle made of mixed materials (PE, PS, PLA, etc. / metal, etc.)

40 FE
41 ALU

01 PET



Bag, flow pack, wrapping



Bag, film



Tube

05 PP
02 HDPE
04 LDPE

02 HDPE
04 LDPE

07 OTHER, C/*
(composite materials: C/LDPE, C/PP and others)

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their collection and recycling

Household chemicals and care products. Category overview

Least preferred type of packaging

not recommended for use

TYPE OF PACKAGING



Spray can



Blister pack



Film

(shrink)

TYPE OF MATERIAL

C/* (composite materials: C/GL and others)

C/* (composite materials: C/LDPE, C/PP, C/PVC, PVC/PET and others), 06 PS, 03 PVC

03 PVC

TYPE OF PACKAGING



Container



Doypack, pouch

TYPE OF MATERIAL

07 OTHER, C/* (composite materials)

05 PP, 02 HDPE, 04 LDPE, 07 OTHER, C/* (composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)

COMMENTS

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Household chemicals and care products.

Preferred type of packaging

PACKAGING

Box



PACKAGING MATERIALS

20 PAP

21 PAP

COMMENTS

PAP packaging is suitable for products that do not require high barrier properties

design

Avoid multicomponent packaging and additional packaging elements that may hamper further waste collection and recycling (for example, hard-to-remove labels, 03 PVC films, windowed packaging designs)

Avoid lamination

raw materials and communications

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for a 20–21 PAP packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Bag, wrapping, blister pack



20 PAP

21 PAP

22 PAP

PAP packaging is suitable for products that do not require high barrier properties

Avoid additional external packaging

Avoid lamination

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for a 22 PAP packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Household chemicals and care products

Preferred type of packaging

PACKAGING

Bottle, vial, ampoule



PACKAGING MATERIALS

Bottle made of 01 PET, 02 HDPE, 40 FE, 41 ALU, 70 GL

Vial made of 01 PET, 02 HDPE, 04 LDPE, 40 FE, 41 ALU, 70 GL

Ampoule made of 01 PET, 02 HDPE, 70 GL

COMMENTS

These materials are recyclable and have high barrier properties. This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

When opting for a packaging made of 40 FE or 41 ALU, please make sure that the material has recycled content and try to reduce packaging material thickness per unit without diminishing the barrier properties

The weight and fragility of the material should be considered when choosing a glass package. GL can be safely reused by households

When opting for a 01 PET bottle, see-through bottles of standard colours are recommended (light-blue, green, brown, colourless), while non-standard dyes and opacity fillers should be avoided (avoid acid, black, pink, white colours).

Optimal film/labels are recommended for use:

- Use 02 HDPE, 04 LDPE, and 05 PP films/labels instead of 03 PVC / 06 PS shrink film and labels. If shrinkage is necessary, the film/label should be applied at a smaller scale, and 01 PET shrinkage should be considered as an alternative.
- Labels that are easily detachable from the main package. The preferred option is a water soluble adhesive that must not be applied over the whole area of the label
- Paper labels, including those made of FSC certified raw materials, are the preferred option for 70–72 GL bottles
- Films/labels made of recycled materials are the recommended option

Please pay attention to additional elements in the packaging: for example, a separate sheet containing instructions (frequently made of composite materials / attached with an adhesive tape). If additional elements are necessary, it is recommended that easily removable paper labels be used, or information be placed on the packaging made of certified raw materials (when this does not hamper further recycling)

raw materials

design

General recommendations for the category:

- Packaging with recycled content is recommended
- Consider a possibility of increasing the packaging size (increasing the volume/weight of the product per packaging)
- Consider higher product concentration to reduce the use of packaging per unit
- When increasing product concentration, you need to make an extra effort and reach out to customers to educate them about the consumption of such products and draw their attention to proportioning (increased amount of active ingredients per product, different consumption patterns for various levels of water hardness, etc.).

Household chemicals and care products

Preferred type of packaging

PACKAGING

Container, cup/bucket



PACKAGING MATERIALS

05 PP

COMMENTS

05 PP packaging has optimal barrier properties

design

When opting for 05 PP, please make sure that the packaging does not have any additional elements such as hard-to-remove labels, 03 PVC films, separate sheets with instructions (frequently made of composite materials or attached with an adhesive tape), or windowed packaging designs.

If additional elements are necessary, it is recommended that easily removable paper labels be used, or information be placed directly on the packaging (where possible)

Use an easily removable lid made of the same material as the packaging

raw materials and communications

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Tube



41 ALU, 02 HDPE, 04 LDPE

Tube has high barrier properties and small weight, there are few alternatives to this packaging on the market. There are limited recycling opportunities for this packaging

For 41 ALU, it is recommended that the information be applied directly on the package or a lightweight self-adhesive PET labelling be used

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Household chemicals and care products

Less preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

design

01 PET blister pack



05 PP container

20 PAP, 21 PAP box

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Restrictions related to the recycling of non-standard PET packaging:

- There is no unified PET packaging design, packaging materials may be hard to identify during sorting
- Russia lacks proper infrastructure required for large scale recycling of specific PET wastes

A blister pack often has multiple components and features additional elements that may hamper further waste collection and recycling (for example, hard-to-remove labels, 03 PVC films)

07 OTHER, C/* tube



(composite materials: C/LDPE, C/PP and others)

✓ Bottle or vial made of GL, 02 HDPE, 04 LDPE

✓ 05 PP container

41 ALU tube

Tube has high barrier properties and small weight, there are few alternatives to this packaging on the market. There are limited recycling opportunities for this packaging

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS

✓ No. 1 priority

Household chemicals and care products

Less preferred type of packaging

PACKAGING

Bag, flow pack, wrapping, film made of 02 HDPE, 04 LDPE, 05 PP



ALTERNATIVE PACKAGING

✓ 05 PP container

✓ 70 GL bottle, can

Reducing packaging material thickness without diminishing the barrier properties

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

raw materials and communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population.

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

design

When opting for a flow pack, make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / bag / wrapping without a metallised layer

✓ No. 1 priority

Household chemicals and care products

Less preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

design

Spray bottle made of mixed materials

(polymers: PE / PS, etc. / metal and others)



Bottle with a 02 HDPE cap and no sprayer/dispenser

A dispenser/sprayer with an extended useful life can be offered as a separate product, which gives customers an opportunity to reuse the combined part of the packaging with other products over a longer period of time

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this faction from the general population

40 FE, 41 ALU spray can



✓ No spray cans

✓ If a spray can is necessary, opt for vials made of 01 PET, 02 HDPE, 04 LDPE or GL

A spray can allows releasing the product in the form of a fine mist, which is a necessary requirement set by customers with respect to a number of products

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this faction from the general population

40 FE and 41 ALU packaging with recycled content is recommended

For 40 FE and 41 ALU packaging, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties

It is recommended that the information be applied directly on the package or a lightweight self-adhesive PET labelling be used.

✓ No. 1 priority

Household chemicals and care products

Least preferred type of packaging

PACKAGING

C/* spray can

(composite materials:
C/GL and others)



- ✓ No spray cans
- ✓ If a spray can is necessary, opt for vials made of 01 PET, 02 HDPE, 04 LDPE or GL
- ALU, FE spray can

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

✓ No. 1 priority

ALTERNATIVE PACKAGING

03 PVC (shrink) film



- ✓ 05 PP container
- ✓ Bottle, vial made of 01 PET, 02 HDPE, 04 LDPE or GL
- Bag, (vacuum, shrink) film made of 02 HDPE, 04 LDPE
- Reducing packaging thickness without diminishing the barrier properties

The packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

✓ No. 1 priority

COMMENTS

raw materials

Household chemicals and care products

Least preferred type of packaging

PACKAGING

07 OTHER, C/* container

(composite materials: C/PP, C/ALU and others)



ALTERNATIVE PACKAGING

✓ 05 PP container

20, 21 PAP box

COMMENTS

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched.

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

Household chemicals and care products

Least preferred type of packaging

PACKAGING

Doypack/pouch made of 02 HDPE, 04 LDPE, 05 PP, 07 OTHER, C/*

(composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)



ALTERNATIVE PACKAGING

✓ 05 PP container ✓ Bottle, vial made of 01 PET, 02 HDPE, 04 LDPE or GL

Bag, (vacuum, shrink) film made of 02 HDPE, 04 LDPE

07 OTHER, C/* pouch, doypack and flow pack without metal layers

Reducing packaging thickness without diminishing the barrier properties

COMMENTS

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched

The recommendation is to move away from pouches, doypacks and flow packs made of C/* material and containing an ALU layer in favour of materials without the ALU layer and mono-material packaging (for example, mono-PE – 02 HDPE, 04 LDPE or mono-PP – 05 PP). Such packaging has similar barrier properties and is more eco-friendly (for example, exclusion of ALU reduces the environmental footprint). This transition should be made when the infrastructure for collecting this packaging from the general population is sufficiently developed.

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

design

This packaging is more compact and weighs less compared to its alternatives. The preferred option is to sell goods in large-size packaging

✓ No. 1 priority

Household chemicals and care products

Least preferred type of packaging

PACKAGING

Blister pack made of 06 PS, 03 PVC, 07 OTHER, C/*

(composite materials: C/LDPE, C/PP,
C/PVC, PVC/PET and others)



ALTERNATIVE PACKAGING

✓ 20, 21 PAP box

✓ 05 PP container

01 PET blister pack

COMMENTS

[raw materials](#)

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched.

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

✓ No. 1 priority

Tobacco products and accessories



Tobacco products and accessories

1 Tobacco products and accessories

Tobacco products and accessories. Category overview

Preferred type of packaging

recommended for use

TYPE OF PACKAGING



Box, pack



Film

TYPE OF MATERIAL

20 PAP

21 PAP

05 PP

02 HDPE

04 LDPE

COMMENTS

These types of packaging materials have optimal barrier properties

At present, no fully recyclable alternatives are available on the market

Less preferred type of packaging

recommended for use in certain cases



Box, pack



Film

C/* (composite materials: C/LDPE, C/PP, C/PAP and others)

C/* (composite materials: PET/PE, BOPP/PE, PS/PE and others)

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their recycling

Tobacco products and accessories

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials and
communications

Box, pack



20 PAP

21 PAP

We recommend avoiding lamination, labels or additional foil layers

Avoid any additional elements in the packaging, including film, inserts, labels (except for an excise label required by the law)

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Packaging with recycled content is recommended

When opting for this type of packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Film



05 PP

02 HDPE, 04 LDPE

05 PP and polyethylene have high barrier properties

When opting for a bag/film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste. The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

Tobacco products and accessories

Less preferred type of packaging

PACKAGING

C/* box, pack

(composite materials: C/LDPE, C/PP, C/PAP and others)



PAP packaging with a detachable film made of 05 PP, 02 HDPE, 04 LDPE

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

ALTERNATIVE PACKAGING

C/* film

(composite materials: PET/PE, BOPP/PE, PS/PE and others)



05 PP 02 HDPE, 04 LDPE

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

COMMENTS

raw materials

raw materials and communications

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled



Frozen foods



Frozen foods

- 1 Frozen fruits and vegetables
- 2 Frozen ready-to-cook foods
- 3 Frozen cakes and pastries
- 4 Ice cream
- 5 Frozen meat and meat by-products
- 6 Frozen poultry
- 7 Frozen seafood
- 8 Frozen fish

Frozen foods. Category overview

Preferred type of packaging

recommended for use

Less preferred type of packaging

recommended for use in certain cases

Least preferred type of packaging

not recommended for use

TYPE OF PACKAGING



Flow pack, film



Container, tray, cup/bucket



Container, tray, cup/bucket



Flow pack, film, container, tray, cup/bucket



Film



Cup/bucket

TYPE OF MATERIAL

02 HDPE
04 LDPE
05 PP

05 PP

20 PAP
21 PAP

07 OTHER, C/* (composite materials: C/LDPE, C/PP, PET/PE, BOPP/PE, PS/PE and others)
41 ALU

03 PVC

81 C/PAP

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their collection and recycling

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Frozen foods

Recommendations for preferred packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials and communications

Container, tray, cup/bucket



05 PP

05 PP material is resistant to temperature variations

05 PP packaging has optimal barrier properties

When opting for 05 PP, please make sure that the packaging does not have any additional elements such as hard-to-remove labels, 03 PVC films, separate sheets with instructions (frequently made of composite materials or attached with an adhesive tape), or windowed packaging designs. If additional elements are necessary, it is recommended that easily removable paper labels be used, or information be placed directly on the packaging (where possible)

Use an easily removable lid made of the same material as the packaging

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Box, tray, cup/bucket



20 PAP

21 PAP

If kept in conformity with temperature requirements, the packaging protects the product from deformation

PAP packaging is suitable for products that do not require high barrier properties

Avoid lamination

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC)

Frozen foods

Preferred type of packaging

PACKAGING

Flow pack, film



PACKAGING MATERIALS

05 PP 02 HDPE, 04 LDPE

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

design

When opting for a flow pack / film, make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / film without a metallised layer

raw materials and communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

Frozen foods

Less preferred type of packaging

PACKAGING

Flow pack, film, container, tray, cup/bucket made of 41 ALU, 07 OTHER, C/*

(composite materials: C/LDPE, C/PP, PET/PE, BOPP/PE, PS/PE and others)



ALTERNATIVE PACKAGING

05 PP container, tray, cup/bucket

Polyethylene film (02 HDPE, 04 LDPE)

20 PAP, 21 PAP box

ALU container/tray

COMMENTS

This packaging is widely used for this category: materials have high barrier properties, low gas permeability and are opted for when there are no alternatives with equal or better barrier properties

design

When opting for a flow pack / film, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

Frozen foods

Least preferred type of packaging

PACKAGING

ALTERNATIVE PACKAGING

COMMENTS

raw materials

03 PVC film



Polyethylene film (02 HDPE, 04 LDPE)

05 PP flow pack, container, tray, cup/bucket or film

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material

81 C/PAP cup/bucket



05 PP flow pack, container, tray, cup/bucket or film

20–21 PAP cup/bucket

81 C/PAP multilayer cups have high barrier properties but are not accepted for recycling

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste. No public waste collection projects in place / sporadic pilot projects launched

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC)

Pet food



Pet food

- 1 Cat food
- 2 Dog food
- 3 Other pet food

Pet food. Category overview

Preferred type of packaging

recommended for use

TYPE OF PACKAGING



Can



Container



Bag, box

TYPE OF MATERIAL

40 FE

41 ALU
05 PP

20-22 PAP

COMMENTS

These types of packaging materials have optimal barrier properties and can be recycled

Less preferred type of packaging

recommended for use in certain cases



Triangle/rectangle-shaped carton made of combined materials

81-85 C/PAP



Pouch, doypack, flow pack

05 PP, 02 HDPE, 04 LDPE, 07 OTHER, C/* (composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)



Flow pack, bag, wrapping

05 PP, 02 HDPE, 04 LDPE

These types of packaging materials have relatively high barrier properties, but there are limited opportunities for their collection and recycling

Pet food. Category overview

Least preferred type of packaging

not recommended for use

TYPE OF PACKAGING



Container



Flow pack

TYPE OF MATERIAL

90 C/ALU

07 OTHER, C/* (composite materials: C/LDPE, C/PP and others)

COMMENTS

These types of packaging materials are hardly ever accepted for recycling. There are alternative recyclable materials with equal or better barrier properties

Pet food

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials

Can



40 FE

40 FE cans have high barrier properties

For 40 FE, it is recommended that the information be applied directly on the package or a lightweight self-adhesive PET labelling be used

For 40 FE cans, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

40 FE cans with recycled content are recommended

Container



05 PP 41 ALU

41 ALU and 05 PP containers have high barrier properties

Use an easily removable lid made of the same material as the cup/bucket or container

Pay attention to films used with the packaging, as they may hamper further waste collection and recycling (03 PVC films are not recommended)

- When opting for 05 PP, please make sure that the packaging does not have any additional elements such as hard-to-remove labels, 03 PVC films, separate sheets with instructions (frequently made of composite materials or attached with an adhesive tape), or windowed packaging designs. If additional elements are necessary, it is recommended that easily removable paper labels be used, or information be placed directly on the packaging (where possible)
- This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste
- 41 ALU packaging with recycled content is recommended
- For 41 ALU: it is recommended that the information be applied directly on the package or a lightweight self-adhesive PET labelling be used.
- For 41 ALU containers, a reduction in the volume of material used per packaging unit is recommended without diminishing the barrier properties of the package

Pet food

Preferred type of packaging

PACKAGING

PACKAGING MATERIALS

COMMENTS

design

raw materials and communications

Bag, box



20, 21, 22 PAP

PAP packaging is suitable for products that do not require high barrier properties

Avoid any additional elements in the packaging:

- Avoid using a separate sheet for instructions (frequently made of composite materials / attached with an adhesive tape)
- Avoid using shrink film as a label
- If additional elements are necessary, it is recommended that easily removable paper labels be used, or information be placed directly on the packaging (where possible)
- Avoid lamination, 03 PVC films, windowed packaging designs

This packaging is widely accepted under waste sorting arrangements and/or widely selected at sorting facilities for solid municipal waste

Packaging with recycled content is recommended

When opting for this type of packaging, please pay attention to the voluntary certification of raw materials and application of relevant tags (for example, FSC)

Pet food

Less preferred type of packaging

PACKAGING

Triangle/rectangle-shaped carton made of 81–85 C/PAP combined materials



ALTERNATIVE PACKAGING

40 FE cans

41 ALU, 05 PP containers

COMMENTS

81–85 C/PAP multilayer cartons are widely used for aseptic packaging, as they boast high barrier properties and are well-suited for long shelf life foods

It is recommended that the number of layers in this type of packaging be reduced (for example, the 41 ALU layer can be omitted)

If this category of beverages can be safely stored in 40 FE or 41 ALU packaging, they should be used as an alternative

design

This packaging is more compact than its alternatives and weighs less compared to GL packaging

Limitation: the packaging is multilayered and is made of multiple materials

raw materials and communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste.

The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population*

Please pay attention to the voluntary certification of raw materials and application of relevant tags on the packaging/labels (for example, FSC)

* Waste collection and sorting are available in a number of regions; the recycling opportunities are limited due to the impurity of the fraction and combined packaging material

Pet food

Less preferred type of packaging

PACKAGING

Doypack/pouch made of 02 HDPE, 04 LDPE, 05 PP, 07 OTHER, C/*

(composite materials with a metal layer: C/ALU; and without a metal layer: C/LDPE, C/PP and others)



ALTERNATIVE PACKAGING

40 FE cans

41 ALU, 05 PP containers

COMMENTS

Multilayer composite packaging is widely used for grocery products, as it boasts high barrier properties and is well-suited for long shelf life foods

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste.

No public waste collection projects in place / sporadic pilot projects launched

The recommendation is to move away from pouches, doypacks and flow packs made of C/* material and containing an ALU layer in favour of materials without the ALU layer and mono-material packaging (for example, mono-PE – 02 HDPE, 04 LDPE or mono-PP – 05 PP). Such packaging has similar barrier properties and is more eco-friendly (for example, exclusion of ALU reduces the environmental footprint). This transition should be made when the infrastructure for collecting this packaging from the general population is sufficiently developed

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

design

This packaging is more compact and weighs less compared to its alternatives

The preferred option is to sell goods in large-size packaging

Pet food

Less preferred type of packaging

PACKAGING

**Flow pack, bag, wrapping
made of 02 HDPE, 04 LDPE,
05 PP**



ALTERNATIVE PACKAGING

40 FE cans

41 AL, 05 PP containers

20, 21, 22 PAP bag, box

Reducing packaging material thickness without diminishing the barrier properties

COMMENTS

02 HDPE, 04 LDPE and 05 PP materials have high durability

raw materials and
communications

There are limited recycling opportunities for this type of packaging under the waste sorting arrangements and/or this packaging is rarely selected at sorting facilities for solid municipal waste (due to its small size, light weight, and identification challenges). The number of implemented waste collection projects is limited, which prevents large-scale collection of this fraction from the general population

Please make sure that the film features the material's recycling number and abbreviation in line with the Technical Regulations of the Customs Union so that households can have the packaging recycled

design

When opting for a flow pack / bag / wrapping, please make sure that the barrier properties are not diminished due to the reduction in packaging material thickness

Flow pack / bag / wrapping without a metallised layer

Pet food

Least preferred type of packaging

PACKAGING

07 OTHER, C/* flow pack

(composite materials: C/LDPE, C/PP and others)



- ✓ 40 FE cans
- ✓ 41 ALU containers
- ✓ 20, 21, 22 PAP bag, box
- Triangle/rectangle-shaped carton made of combined materials
- 02 HDPE, 04 LDPE, 05 PP flow pack

ALTERNATIVE PACKAGING

90 C/ALU container



- ✓ 40 FE cans
- ✓ 41 ALU containers
- ✓ 20, 21, 22 PAP bag, box
- Triangle/rectangle-shaped carton made of combined materials
- 02 HDPE, 04 LDPE, 05 PP flow pack

COMMENTS

raw materials

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched Flow pack made of 02 HDPE, 04 LDPE, 05 PP
 If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

design

The packaging has a number of advantages, including barrier properties (low gas permeability, resistance to temperature variations) light weight, and small size

✓ No. 1 priority

This packaging is not accepted for recycling under waste sorting arrangements and/or is not selected at sorting facilities for solid municipal waste No public waste collection projects in place / sporadic pilot projects launched

If the use of the 07 OTHER, C/* composite materials is necessary, it is recommended that 03 PVC and/or 06 PS not be used as part of the composite material:

- The use of 03 PVC for consumer and transport packaging is limited due to the toxicity of the material
- There are reasons to move away from 06 PS in the future (recycling is not profitable, material toxicity, etc.)

The packaging has a number of advantages, including barrier properties (low gas permeability, resistance to temperature variations) light weight, and small size

✓ No. 1 priority



APPENDIX 1.

Main types of materials described herein

Appendix

The material's number and abbreviation	Brief description	Mono-material / composite material
01 PET	Polyethylene terephthalate	Mono-material
02 HDPE	High-density polyethylene (low pressure)	Mono-material
03 PVC	Polyvinyl chloride	Mono-material
04 LDPE	Low-density polyethylene (high pressure)	Mono-material
05 PP	Polypropylene	Mono-material
06 PS	Polystyrene	Mono-material
07 OTHER	Other plastic types	Mono-material / composite material
20 PAP	Corrugated cardboard	Mono-material
21 PAP	Other cardboard	Mono-material
22 PAP	Paper	Mono-material
40 FE	Steel	Mono-material
41 ALU	Aluminium	Mono-material
50 FOR	Wood	Mono-material
51 FOR	Cork	Mono-material
70 GL	Colourless glass	Mono-material
71 GL	Green glass	Mono-material
72 GL	Brown glass	Mono-material
73 GL	Dark-brown bottle glass	Mono-material
74 GL	Light-brown bottle glass	Mono-material

Appendix

The material's number and abbreviation	Brief description	Mono-material / composite material
80 C/PAP	Paper (cardboard) / various materials	Composite material
81 C/PAP	Paper (cardboard) / plastic	Composite material
82 C/PAP	Paper (cardboard) / aluminium	Composite material
83 C/PAP	Paper (cardboard) / tinplate	Composite material
84 C/PAP	Paper (cardboard) / aluminium	Composite material
85 C/PAP	Paper (cardboard) / plastic / aluminium / tinplate	Composite material
90 C/*	Plastic/aluminium	Composite material
91 C/*	Plastic/tinplate	Composite material
92 C/*	Plastic / various metals	Composite material
95 C/*	Glass/plastic	Composite material
96 C/*	Glass/aluminium	Composite material
97 C/GL	Glass/tinplate	Composite material
98 C/GL	Plastic / various metals	Composite material
C/* (C/LDPE, C/PAP, C/PP and others)	Labelling of various combined/multilayer materials (POF, PET/PE, PA/PE, OPA/PE, EVOH, PVDC, etc.)	Composite material