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Replacing GB/T 18455-2010

Packaging recycling marking

包装回收标志

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 18455-2010 "Package recycling marking". Compared with GB/T 18455-2010, in addition to the structural and editorial changes, the main technical changes are as follows:

- a) Change the application scope of the standard. Add "glass and consolidated packaging" in "Scope" (see Chapter 1 of this Edition, Chapter 1 of Edition 2010);
- b) Change the definition for "supplier". Delete "packaging components" and "consolidated packaging materials". Add three terms: "packaging material", "packaging component" and "consolidated packaging" (see Chapter 3 of this Edition, Chapter 3 of Edition 2010);
- c) Add the description of recycling marking for plastic products other than commonly used plastics and definition of single-material plastic packaging products (see 4.3.2, 4.3.3 of this Edition);
- d) Delete "recycling marking for biodegradable plastic packaging" (see 4.2.2 of Edition 2010);
- e) Change the recycling marking for "iron packaging". Add the recycling marking for "steel packaging" (see 4.4 of this Edition, 4.1 of Edition 2010);
- f) Add the recycling marking for "glass packaging" (see 4.5 of this Edition);
- g) Change the method for determining primary materials in consolidated packaging. Add the recycling marking for "consolidated packaging" (see 4.6 of this Edition, 4.3 of Edition 2010);
- h) Add "specifications and dimensions" of recycling marking (see 5.2 of this Edition);
- i) Add "color" of recycling marking (see 5.3 of this Edition);
- j) Change "quantity" of recycling marking (see 5.4 of this Edition, 5.2, 5.3 of Edition 2010);
- k) Add "position" of recycling marking (see 5.5 of this Edition);
- l) Change the "production" requirements for recycling marking (see 5.6 of this Edition, 5.5 of Edition 2010).

Packaging recycling marking

1 Scope

This document specifies the types, basic graphics and labelling requirements for packaging recycling marking.

This document applies to the design, production, trade and recycling of recyclable packaging containers, packaging products or packaging components such as paper, plastic, metal, glass and consolidated materials.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 16288, *Marking of plastics products*

GB/T 16716.1, *Packaging and the environment - Part 1: General rules*

GB/T 16716.2, *Packaging and the environment - Part 2: Optimization of the packaging system*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 supplier

An operator responsible for packaging or packaged products placed on the market or delivered for use.

NOTE: It refers to the owner of the product and its packaging before it is sold, or the manufacturer or seller indicated on the label, or more specifically, the operator who voluntarily implements this document. When the packaging used by the supplier is provided by other manufacturers, the supplier can trace the relevant technical information.

[Source: GB/T 16716.1-2018, 3.1, modified]

3.2 packaging material

A general term for materials (such as: wood, metal, plastic, glass and paper) used to

4.6 Consolidated packaging

Consolidated packaging is marked with a recycling marking for the primary material of all constituent materials. The main material refers to one or two materials with the largest proportion of mass in the consolidated material. Its recycling marking consists of basic graphics, letters and words. The "C" in the graphic stands for "consolidated packaging", located in the center of the graphic. The name of the main material component shall be marked at the bottom of the figure. An example of its recycling marking is shown in Figure 3.

5 Labeling requirements

5.1 Conditions that allow labeling

Suppliers shall pre-assess whether the packaging containers or packaging components put on the market can be recycled according to GB/T 16716.1 and GB/T 16716.2. When it is determined that recycling is feasible, the packaging recycling marking shall be marked.

5.2 Specifications and dimensions

The specifications of the packaging recycling marking shall be determined according to the product size. If it needs to be enlarged or reduced, it shall be enlarged or reduced equally according to the ratio given by the recycling marking. See Annex A for an example of the dimensions of the packaging recycling marking.

5.3 Color

Packaging recycling marking graphics shall be clear and eye-catching, not easy to fade and fall off. The printed recycling marking shall have sufficient contrast with the base color of the substrate.

5.4 Quantity

5.4.1 A recycling marking shall be marked on a package.

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