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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

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GB/T 16288-2024

Replacing GB/T 16288-2008

Marking of Plastics Products

塑料制品的标志

(ISO 11469:2016, Plastics – Generic Identification and Marking of Plastics Products,
MOD)

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Standardization Administration of the People's Republic of China.

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 *Directives for Standardization – Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This Document replaced GB/T 16288-2008 *Marking of Plastics Products*. Compared with GB/T 16288-2008, the major technical changes of this Document are as follows besides the structural adjustments and editorial modifications:

- Change some contents in "Supplementary Descriptions" (see 5.5 of this Edition; 5.5 of the 2008 Edition);
- Add "Examples of Markings" (see 5.6.5 of this Edition);
- Change the requirements for plastic regenerants in "Marking System" (see 5.6 of this Edition; 5.6 of the 2008 Edition);
- Changed some material terms (see Appendix B of this Edition; Appendix A of the 2008 Edition).

This Document modified and adopted ISO 11469:2016 *Plastics – Generic Identification and Marking of Plastics Products*.

Compared with ISO 11469:2016, this Document made the following structural adjustments:

- 5.6 corresponds to Clause 5 in ISO 11469:2016, of which 5.6.1 corresponds to 5.1.1 in ISO 11469:2016; 5.6.2 corresponds to 5.1.2 in ISO 11469:2016; 5.6.3 corresponds to 5.1.3 in ISO 11469:2016; and 5.6.4 corresponds to 5.1.4 of ISO 11469:2016.

Compared with ISO 11469:2016, this Document has many technical differences, which are marked with a vertical single line (|) in the outer margin of the clauses involved. These technical differences and their causes are listed in Appendix A.

The following editorial modifications have been made to this Document:

- Delete the content of the NOTE in "Marking of Products" (see 5.1.1 of ISO 11469:2016);
- In order to coordinate with the existing standards, the name of the standard has been changed to *Marking of Plastics Products*.

Please note some contents of this Document may involve patents. The issuing agency of this Document shall not assume the responsibility to identify these patents.

This Document was proposed by China National Light Industry Council.

This Document shall be under the jurisdiction of National Technical Committee on Plastics

Marking of Plastics Products

1 Scope

This Document specifies the requirements for the marking, size, color, quantity and setting location of plastics products.

This Document does not apply to regulations regarding marking treatment methods or treatment processes.

NOTE: This Document is intended to help identify various types of plastics products to facilitate disposal and recycling of subsequent plastics products.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the undated documents, only the latest version (including all the amendments) is applicable to this Document.

GB/T 1844 (all parts) Plastics – Symbol and abbreviated terms [ISO 1043 (all parts)]

NOTE: GB/T 1844.1-2022 Plastics – Symbol and abbreviated terms – Part 1: Basic polymers and their special characteristics (ISO 1043-1:2011, MOD)

GB/T 1844.2-2022 Plastics - Symbols and abbreviated terms - Part 2: Fillers and reinforcing materials (ISO 1043-2:2011, IDT)

GB/T 1844.3-2022 Plastics - Symbols and abbreviated terms - Part 3: Plasticizers (ISO 1043-3:2016, MOD)

GB/T 1844.4-2008 Plastics - Symbols and abbreviated terms - Part 4: Flame retardants (ISO 1043-4:1998, IDT)

GB/T 2035 Terms and definitions for plastics (GB/T 2035-2008, ISO 472:1999, IDT)

GB/T 16903 Rules for the presentation of graphical symbols for use on signs -- Design principles and requirements for public information graphical symbols (GB/T 16903-2021, ISO 22727:2007, NEQ)

3 Terms and Definitions

For the purposes of this Document, the terms and definitions given in GB/T 2035 and the following apply.

3.1 Reworked plastics

Thermoplastic products made by reprocessing scraps or unqualified products in a secondary processing plant after pre-processing such as molding and extrusion in the factory.

NOTE: In many specifications, reworked plastics are limited to clean plastics, which meet the requirements specified for new materials and whose product quality is actually equivalent to that of products made from new materials.

3.2 Recycled plastics

Thermoplastic plastic products made from recycled discarded plastic products.

NOTE: This includes those with or without fillers, plasticizers, stabilizers, colorants, etc.

3.3 Repeatable used plastics

Plastic products that can be reused many times after molding and whose performance meets the requirements of relevant regulations.

3.4 Recyclable plastics

Plastic products that can be recycled and reused after being discarded.

3.5 Nonrecoverable plastics

Plastic products that are not allowed to be recycled or reused by law.

3.6 Food contact plastics

Under normal conditions of use, various plastic products that have or are expected to come into contact with food or food additives (hereinafter referred to as food), or whose components may be transferred to food.

NOTE: It includes plastic packaging materials, containers, tools and equipment used for food during food production, processing, packaging, transportation, storage, sales and use, as well as tableware, containers, production pipelines, conveyor belts, packaging materials, etc.

3.7 Medical plastics

Plastic products used for external medicine or implanted in the body.

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