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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 22789.2-2023

**Plastics - Unplasticized poly(vinyl chloride) sheets - Part 2:
Types, dimensions and characteristics for sheets of thickness
less than 1 mm**

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Standardization Administration**

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Foreword

This document is drafted in accordance with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1. Structure and Drafting Rules of Standardization Documents".

This document is Part 2 of GB/T 22789 "Rigid polyvinyl chloride sheets (sheets) for plastic products". GB/T 22789 has been released

The following sections are included.

---Part 1. Classification, dimensions and properties of plates with thickness 1mm and above;

---Part 2. Classification, size and performance of sheets with thickness below 1mm.

This document is modified using ISO 11833-2:1998 "Classification, Dimensions and Properties of Rigid Polyvinyl Chloride Sheets (Sheets) for Plastic Products No. 2"

Part. Sheets with thickness less than 1mm.

Compared with ISO 11833-2:1998, this document has many structural adjustments. Comparison list of structure number changes between two files

See Appendix A for the table.

The technical differences between this document and ISO 11833-2:1998 and their reasons are as follows.

---Changed the second paragraph in the "Scope" chapter and added the applicable boundaries of the document (see Chapter 1) to comply with the requirements for the preparation of Chinese standards;

---Added terms and definitions (see Chapter 3) to comply with my country's standards writing requirements;

---Changed the content of 4 categories and added logos (see Chapter 5) to adapt to the

current classification principles of our country's products and comply with

Requirements for compilation of Chinese standards;

---Changed the technical indicators in Table 3, deleted the Vicat softening temperature, and increased the dimensional change rate (see Table 3) to comply with our country's board

Actual use and performance evaluation of material products;

---Deleted the load deformation temperature in Table 4 (see Table 4 in ISO 11833.1998) to comply with the actual use and use of plate products in my country

Performance evaluation status;

---The hygienic performance is deleted (see 5.5.3 in ISO 11833.1998), and the hygienic performance is specified by the national food safety standards;

---Replaced ISO 2859-1 with normatively cited GB/T 2828.1, and the degree of consistency between the two documents was modified to suit

Improve operability in response to my country's technical conditions (see 7.1.1);

---Replaced ISO 2818 with normatively cited GB/T 39812, and the degree of consistency between the two documents was modified to adapt

my country's technical conditions improve operability (see 7.1.2);

---Replaced ISO 291 with normatively cited GB/T 2918, and the degree of consistency between the two documents was modified to suit our needs

country's technical conditions to improve operability (see 7.1.3);

---The content of 7.3 has been changed (see 7.3) to improve the operability of the test and avoid ambiguity;

---Replaced ISO 527-3 with normatively cited GB/T 1040.3, and the degree of consistency between the two documents was modified to adapt

my country's technical conditions improve operability (see 7.4.1);

---Replaced ISO 11501 with normatively cited GB/T 12027, and the degree of consistency between the two documents was modified to adapt

my country's technical conditions improve operability (see 7.4.3);

--- Added the test method for heating dimensional change rate (see 7.4.3) to improve the operability of the test and avoid ambiguity;

---The logo in Chapter 8 has been changed, and packaging, marking, transportation and storage (see Chapter 8) have been added to adapt to the current situation of my country's products.

The classification principles of statements are in line with the writing requirements of our country's standards.

The following editorial changes have been made to this document.

---Changed the title of 6.5 (see 6.5);

---Deleted the "Note" in the "Raw Materials" chapter;

--- Added test conditions for tensile strength (see 7.4.2).

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

Introduction

With the improvement of production level and quality control requirements of rigid polyvinyl chloride sheets (sheets) for plastic products and the advancement of testing instrument technology,

Step by step, the technical indicators and results of GB/T 22789.1-2008 are no longer able to meet the current level of plastic product processing and testing technology.

develop. According to the development direction of rigid polyvinyl chloride sheets (sheets) for plastic products in my country, GB/T 22789 is divided into

The following two sections.

---Part 1. Classification, dimensions and properties of plates with thickness 1mm and above. The purpose is to establish the thickness of the board with a thickness of 1mm and above

The performance requirements of the material are provided, and detection methods are provided, aiming to help plate manufacturers and users with a thickness of 1mm and above to detect and improve their products.

Product performance.

---Part 2. Classification, size and performance of sheets with thickness below 1mm. The purpose is to establish the quality of sheets with a thickness of less than 1mm

Performance requirements, and provides detection methods, aiming to help sheet manufacturers and users below 1mm detect and improve products performance.

Plastic products rigid polyvinyl chloride board (sheet) material

Part 2. Sheets with thickness less than 1mm

Classification, size and performance

1 Scope

This document specifies the raw materials, classification, requirements, packaging, marking, and

Transport and storage, test methods are described.

This document applies to the production, inspection, and sales of sheets with a thickness of less than 1 mm.

This document does not apply to PVC-U heat shrinkable and biaxially stretched sheets.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations

For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to

this document.

GB/T 1040.3 Determination of tensile properties of plastics Part 3. Test conditions for films and sheets (GB/T 1040.3-

2006, ISO 527-3.1995, IDT)

GB/T 2828.1 Enumeration sampling inspection procedures Part 1. Batch-by-batch inspection sampling plan retrieved by acceptance quality limit (AQL)

(GB/T 2828.1-2012, ISO 2859-1.1999, IDT)

GB/T 2918 Standard environment for conditioning and testing of plastic specimens (GB/T 2918-2018, ISO 291.2008, MOD)

GB/T 12027 Test method for heating dimensional change rate of plastic films and sheets (GB/T 12027-2004, ISO 11501.

1995, IDT)

GB/T 39812 Machining preparation of plastic specimens (GB/T 39812-2021, ISO 2818.2018, IDT)

ISO 21306-1.2019 Plastic unplasticized polyvinyl chloride (PVC-U) molding and extrusion materials Part 1. Nomenclature system and classification

class base