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

GB/T 12001.1-2008

Replacing GB/T 12001.1-1989

**Plastics -- Unplasticized poly (vinyl chloride) (PVC-U) moulding
and extruded materials -- Part 1: Designation system and basis
for specifications**

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(English Translation)

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Foreword

GB/T 12001 "unplasticized PVC plastic molding and extrusion materials" is divided into two parts.

--- Part 1. Designation system and basis;

--- Part 2. Preparation and properties of the specimen was measured.

This section GB/T 12001 Part 1, this part identical with ISO 1163-1:1995 "Plastics unplasticized PVC (PUC-U) molding and extrusion materials - Part 1. Designation system and basis for specifications "(in English).

This section is equivalent translation ISO 1163-1:1995.

For ease of use, this section made the following editorial changes.

- a) Remove the ISO 1163-1:1995 Foreword;
- b) "This part of ISO 1163" to "GB/T 12001 this part" or "this part";
- c) For ISO 1163-1:1995 international standard references, identical with its revised national standards.

This Part replaces GB/T 12001.1-1989 "unplasticized PVC window Moulding - Part 1. Designation" this section compared with the GB/T 12001.1-1989 The main changes are as follows.

- a) the name was changed to "unplasticized PVC plastic molding and extrusion materials - Part 1. Designation system and basis";
- b) character in group 2 adds some code;
- c) modify the range of values \u200bu200bin Table 2 of the symbols and their representatives.

This part is proposed by the China Petroleum and Chemical Industry Association.

This part of the National Standardization Technical Committee of plastic products and

plastic resins General Methods Chapter (SAC/TC15/SC4) centralized.

This part mainly drafted by. Sinopec hospital north of the National Chemical Building Materials Testing Center (Materials Testing section).

Participated in the drafting of this section. Country of synthetic resin Quality Supervision and Inspection Center, Sinopec Yanshan Petrochemical resin.

1 Scope

1.1

GB/T 12001 in the provisions of this section as unplasticized polyvinyl chloride (PVC-U) of thermoplastic material classification based naming system.

1.2

Different types of unplasticized polyvinyl chloride thermoplastic material distinction in a classification system. The system applies the following characteristic Values
can range as well as on recommended use and (or) method of processing, important properties, additives, colorants, fillers and reinforcing materials and other information basis.

- a) Vicat softening temperature;
- b) Charpy notched impact strength;
- c) modulus of elasticity.

1.3

section applies to all plasticized vinyl chloride are not homopolymers, vinyl chloride content of not less than 50% unplasticized copolymer mixture. At the same time one and more content polymers are also suitable for mixtures of CPVC and not less than the above-mentioned 50% of the mixture.

This section applies to a conventional powdery, granular particles or broken, or not modified by colorants, additives, fillers, such as modified materials.

This section does not apply to foam.

1.4

part does not necessarily mean naming the same material with the same properties. This section does not provide instructions for use and special materials (Or) processing methods required for the project character, performance, character or character processing conditions.

If necessary, according to GB/T 12001 Test methods specified in Part 2 to determine these additional properties.

1.5

In order to illustrate some unplasticized PVC material for special purposes or in order to ensure process reproducibility, can give in the fifth group of characters the additional requirements (see Chapter 3 introduces the paragraph).

2 Normative references

The following documents contain provisions which, through reference GB/T 12001 in this section constitute provisions of this section. For dated references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 1844.1-2008 Plastics - Symbols and Abbreviations - Part 1. Basic polymers and their special characteristics (ISO 1043-1.

1996, IDT)

Preparation of test specimens and determination of properties. GB/T 12001.2-2008 plastic PVC plastic molding and extrusion materials - Part 2 does not increase (ISO 1163-2:1995, IDT)

3 Naming and specification system

Unplasticized PVC naming and classification system based on the following standard mode.

name

Group Description (optional) Characteristics of the project team National standard no group Independent project team Group 1 Group 2 character Group 3 Group 4 Group 5 characters Name contains labeled "thermoplastic" group and an optional description feature set, feature group comprising the number of national standards groups and independent project team.

GB/T 12001.1-2008/ISO 1163-1:1995