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

GB/T 5471-2008

Replacing GB/T 5471-1985

**Plastics -- Compression moulding of test specimens of
thermosetting materials**

塑料 热固性塑料试样的压塑

(English Translation)

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Foreword

This standard is identical with ISO 295:2004 "Plastics --- thermosetting plastic compression molded specimens" (in English).

This standard is equivalent translation ISO 295:2004.

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

--- "This International Standard" by "this standard";

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Deleted the ISO foreword;

--- For the ISO 295:2004 international standard references, there is adopted as the equivalent of a standard, instead of the international standard of reference Standard, the rest not tantamount to the adoption of the standards of China, are directly referenced in the standard.

This standard replaces GB/T 5471-1985 "thermosetting molding compression molding sample preparation method." this standard and GB/T 5471-1985 compared to the major differences are as follows.

--- Modify the standard name;

- Increasing the scope of a chapter;
- Increasing the normative references chapter.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee of plastic products and plastic resins General Methods Chapter (SAC/TC15/SC4) centralized.

1 Scope

The standards establish general rules and procedures to suppress hot molding to prepare specimens of thermosetting materials.

This standard specifies the details of the performance test report shall contain the relevant sample preparation.

This standard gives general design principles sample was prepared mold.

In order to reproduce the method of specimen preparation, test results are discussed in this standard has a substantially comparable conditions of sample preparation involved.

This standard applies to phenolic resin, amino resin, melamine/phenolic, epoxy and unsaturated polyester resin-based material is a thermosetting powder Molding compound (PMCs). Because some of the molding compound composition, liquidity or other variables may be required in accordance with the method of preparation of test kind. In this case it requires consent of the parties, and indicate in the molding report.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

1033.1-2008 non-plastic foam density measurement GB/T Part 1. Immersion method, liquid pycnometer method and titration method (ISO 1183-1:2004, IDT) GB/T 1404.1-2008 Plastic powdered phenolic molding materials - Part 1. Designation method and basis for specifications (ISO 14526-1.

1999, IDT)

GB/T 1404.2-2008 Plastic powdered phenolic molding materials - Part 2. Sample preparation and determination of properties (ISO 14526-2.

1999, IDT)

GB/T 2035-2008 Plastics terms and definitions (ISO 472:1999, IDT) GB/T 3403.1-2008 Plastics powdered urea - formaldehyde and urea/melamine - formaldehyde molding compounds (UF- and UF/MF-PMCs) Part 1. Designation system and basis for classification (ISO 14527-1:1999, IDT) GB/T 11997-2008 plastic multipurpose test specimens (ISO 3167:2002, IDT) ISO 4287 Geometrical Product Specifications (GPS) Surface texture. Profile method --- terminology, definitions and surface texture parameters ISO 14526-3 Plastics Phenolic molding powder (PF-PMCs) - Part 3. Choose plastic molding requirements Part 2 formaldehyde powder molding compounds (UF- and UF/MF-PMCs) - ISO 14527-2 Plastics urea - formaldehyde and urea/melamine Score. Preparation and Properties of test specimens and determination Part 3 formaldehyde powder molding compounds (UF- and UF/MF-PMCs) - ISO 14527-3 Plastics urea - formaldehyde and urea/melamine Score. Choose plastic molding requirements ISO 14528-1 Plastics melamine - formaldehyde powder molding compounds (MF-PMCs) - Part 1. Designation and basis for specifications ISO 14528-2 Plastics melamine - formaldehyde powder molding compounds (MF-PMCs) - Part 2. Sample preparation and determination of properties ISO 14528-3 Plastics melamine - formaldehyde powder molding compounds (MF-PMCs) - Part 3. Choose plastic molding requirements ISO 14529-1 Plastics Melamine/phenolic powder molding compounds (MP-PMCs) - Part 1. Designation and basis for specifications ISO 14529-2 Plastics Melamine/phenolic powder molding compounds (MP-PMCs) - Part 2. Sample preparation and determination of properties ISO 14529-3 Plastics Melamine/phenolic powder molding compounds (MP-PMCs) - Part 3. Choose plastic molding requirements ISO 14530-1 Plastics powdered unsaturated polyester resin molding compounds (UP-PMCs) - Part 1. basic nomenclature and specifications Part 2 ISO 14530-2 Plastics powdered unsaturated polyester resin molding compounds (UP-PMCs). sample preparation and determination of properties ISO 14530-3 Plastics powdered unsaturated polyester resin molding compounds (UP-PMCs) - Part 3. Choose plastic molding requirements ISO 15252-1 Plastics powdered epoxy molding compounds (EP-PMCs) - Part 1. basic nomenclature and specifications GB/T 5471-2008/ISO 295:2004