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

GB/T 3403.2-2013

Replacing GB 13454-1992

**Plastics -- Urea-formaldehyde and urea/melamine-formaldehyde
powder moulding compounds (UF-and UF/MF-PMCs) -- Part 2:
Preparation of test specimens and determination of properties**

塑料 粉状脲-甲醛和脲/三聚氰胺-甲醛模塑料 (UF-和UF/MF-PMCs) 第2部分:
试样制备和性能测定

(English Translation)

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Foreword

GB/T 3403 "Plastic powdered urea - formaldehyde and urea/melamine - formaldehyde molding compounds (UF- and UF/MF-PMCs)" includes the following 3 section.

--- Part 1. Designation system and basis;

--- Part 2. Sample preparation and performance measurement;

--- Part 3. Selected plastic molding requirements.

This section GB/T 3403 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section and GB/T 3403 "Plastic powdered urea - formaldehyde and urea/melamine - formaldehyde molding compounds (UF- and UF/MF-PMCs)" of Part 3, GB/T 13454 "plastic powdered melamine - formaldehyde molding compounds (MF-PMCs)" Part 3 be replaced GB 13454-1992 "amino molding plastic." This part of technological change and the corresponding portion of the GB 13454-1992 See Appendix A.

This part redrafted Law Amendment uses ISO 14527-2:1999 "Plastics powdered urea - formaldehyde and urea/melamine - formaldehyde molding Material (UF- and UF/MF-PMCs) - Part 2. Preparation and determination of properties "sample.

This part of ISO 14527-2:1999 as compared to the presence of changes in technology, changes in the terms of those involved has been through in its outer margin bits Opposed to a single vertical line (!) have been marked, in Appendix B gives the contents of the corresponding technological change and its causes.

--- On normative references, this standard has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- Modify with international standards of GB/T 1409-2006 instead of IEC 60250. 1969;
- Modify with international standards of GB/T 1636-2008 instead of ISO 60. 1977;
- Modify with international standards of GB/T 3403.3-2013 instead of ISO 14527-3:1999;

- Modify with international standards of GB/T 19467.1-2004 instead of ISO 10350-1:1998;
- use equivalent to international standards of GB/T 5474-1985 instead of ISO 120. 1977;
- with a degree of consistency with international standards is not equivalent GB/T 13455-1992 instead of ISO 3671. 1976;
- Normative references Delete the ISO 2112:1990, ISO 4614. 1977, ISO 15062;
- Normative references increased by GB/T 5009.61-2003, GB/T 2407-2008 (ISO 181. 1981, IDT), GB/T 2408-2008 (IEC 60695-11-10:1999, IDT), GB/T 17037.4-2003 (ISO 294-4:2001, IDT).

This section also made the following editorial changes.

- With "rhov" instead of "rhoe", "rhos" instead of "sigmae";
- Deleted the Chapter 2, "Normative references" in footnote 4;
- Delete a footnote in Table 1;
- Increased in Appendices A and B.

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

This part of the National Technical Committee of Standardization Technical Committee plastic thermosetting plastics (SAC/TC15/SC11) centralized.

This section is drafted. Fujian Shaxian Hongguang Chemical Co., Ltd., Changshu Southeast Plastic Co., Chenguang Chemical Research & Design Institute Limited, Guangdongrongtai Industrial Co., Ltd., Shandong Billiton Bo Plastics Co., Ltd., the State Quality Supervision, Inspection synthetic resin center.

1 Scope

GB/T 3403 provisions of this part of the powdered urea - formaldehyde and urea/melamine formaldehyde molding compounds (UF- and UF/MF-PMCs) Sample Standard Test Method for preparation and assay performance and processing requirements specified test material and the test material before molding and the specimens before testing State regulation requirements.

This section applies to powdered urea - formaldehyde and urea/melamine formaldehyde molding compounds (UF- and UF/MF-PMCs) step sample preparation, conditions and a method of measuring the material properties of these samples. But also for the performance of its test methods needed to characterize PMCs.

The performance of projects selected GB /19467.1-2004 General test method in T. Widespread use of PMCs or other special weight to test contained in this section, according to GB/T 3403.1-2008 performance characteristics specified in 4.4.3 and 4.4.4.

In order to obtain reproducible and comparable test results there, sample preparation method should be used in this Part, sample conditioning methods, Sample size and test procedure. The sample size was measured using different samples prepared by different methods or values obtained are not necessarily identical.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

1033.1-2008 non-plastic foam density measurement GB/T Part 1. Immersion method, liquid pycnometer method and titration method Determination of GB/T 1034-2008 plastic water absorption 1040.1-2006 Plastics Determination of tensile properties GB/T Part 1. General GB /1040.2-2006 Plastics Determination of tensile properties T Part 2. Test plastics molding and extrusion conditions Determination of GB/T 1043.1-2008 Plastics Charpy impact properties - Part 1. Non-instrumented impact test GB/T 1408.1-2006 electrical insulating materials strength test methods - Part 1. Tests at power frequencies GB/T 1409-2006 Measurement of electrical insulating materials at power, audio, high-frequency (including meter wavelengths included) of the permittivity and dielectric loss the recommended method consumption factor GB/T 1410-2006 solid insulating material volume resistivity and surface resistivity test method Determination of GB/T 1634.2-2004 Plastics deflection temperature under load - Part 2. Plastics, ebonite and long-fiber-reinforced composite material Determination of GB/T 1636-2008 plastic funnel outflow from the provisions of the apparent density of the material GB/T 2035 plastic terms and definitions GB/T 2406.2-2009 Plastics - Determination of burning behavior by oxygen index Part 2 Method. room temperature test Determination of GB/T 2407-2008 plastic rigid plastic small sample and when hot rod contacting combustion characteristics GB/T 2408-2008 Plastics - Determination of burning behavior of horizontal and vertical