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

GB/T 13454.3-2013

Replacing GB 13454-1992

**Plastics -- Melamine-formaldehyde powder moulding
compounds (MF-PMCs) -- Part 3: Requirements for selected
moulding compounds**

塑料 粉状三聚氰胺-甲醛模塑料 (MF-PMCs) 第3部分: 选定模塑料的要求
(English Translation)

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Foreword

GB/T 13454 "plastic powdered melamine - formaldehyde molding compounds (MF-PMCs)" consists of the following three parts.

--- Part 1. Designation system and basis;

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

--- Part 3. Selected plastic molding requirements.

This part of GB/T 13454 Part 3.

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

Part 2 and 3 of "formaldehyde molding compound (UF and UF/MF-PMCs) Plastic powdered urea - - formaldehyde and urea/melamine" GB/T 3403 this section points and be replaced by GB 13454-1992 "amino molding plastic." And GB 13454-1992 "aminoplast" Compared to major changes it reads as follows.

--- Modify the scope of content;

--- Modify the product classification;

--- Modify the test items, sample preparation and test methods.

This part redrafted Law Amendment uses ISO 14528-3:1999 "Plastics powdered melamine - formaldehyde molding compound (MF-PMCs) - Part 3. Requirements for selected molding compounds. " this part of ISO 14528-3:1999 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.

Information on normative references, this standard has been adjusted technical differences,

in order to adapt our technical conditions, adjust the set as reflected in Chapter 2, "Normative references", the specific adjustments are as follows.

- Use identical with international standards GB/T 13454.1-2013 instead of ISO 14528-1:1999;
- Use revise international standards of GB/T 13454.2-2013 instead of ISO 14528-2:1999;
- Use identical with international standards GB/T 2035 instead of ISO 472:1999;
- Normative references Delete the ISO 2112:1990;
- Normative references increased by GB/T 2547-2008.

This section also made the following editorial changes.

- Modify the scope of content;
- With "rhov" instead of "rhoe", "rhos" instead of "sigmae";
- Delete the footnote to Table 1 and Table 2;
- 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. Changshu Southeast Plastic Co., Ltd. Shaxian Hongguang Chemical Co., Ltd. Chenguang Chemical Research Institute Co., the company, Guangdongrongtai Industrial Co., Ltd., Shandong Billiton Bo Plastics Co., Ltd., the National Quality Supervision and Inspection Center of synthetic resin.

Drafters of this section. Wei Wei, Yang Leen, Wang Qiang, Chen Jian, Chen Yingui, Chen Dongyang, Peng Jianjun.

This part of the standard replaces the previous editions are.

--- GB 13454-1992.

Plastic powdered melamine - formaldehyde molding compounds (MF-PMCs) Part 3.
Requirements for selected molding compounds

1 Scope

GB/T 13454 in the provisions of this part of the powdered melamine - formaldehyde molding compounds (MF-PMCs) performance requirements.

This section only applies to powdered melamine - formaldehyde molding compound.

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.

GB/T 2035 plastic terms and definitions (ISO 472:1999, IDT) GB/T 2547-2008 plastic sampling method GB/T 13454.1-2013 plastic powdered melamine - formaldehyde molding compounds (MF-PMCs) - Part 1. Designation system and sub Basics (ISO 14528-1:1999, IDT) GB/T 13454.2-2013 plastic powdered melamine - formaldehyde molding compounds (MF-PMCs) - Part 2. Sample preparation and sexual can be measured (ISO 14528-2:1999, MOD)

3 Terms and Definitions

GB/T 2035, the terms and definitions GB/T 13454.1-2013 and GB/T 13454.2-2013 defined apply to this document.

4.1 Performance Value

Powdered melamine - formaldehyde molding compound shall conform to Table 1 or Table 2 given performance requirements.

Table 1 and Table 2 shows the average value of a group is a performance measurement sample. Individual measured values 2.1, 2.2, 2.3 and 2.4 Performance

Deviation from the average should be within 10%; deviation of the individual measured values 3.1 and 3.2 and the average performance should be within 5 °C of.

Rheological properties of molding and did not give particularly limited. However, a suitable rheological properties and formability are essential to meet the molding compound used, both parties should agree on its test methods and test conditions.

In addition, for some applications, you may also want to get some other relevant data, such as.

--- Curing time;

--- Particle size;

--- Moisture content.

If necessary, these properties and the use of test methods and test conditions should also be agreed between supply and demand.

4.2 Filler type and content

Powdered melamine - formaldehyde molding compound, filled/reinforced material name, form and content should be consistent with GB/T 13454.1-