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

GB/T 12008.2-2010

Replacing GB/T 12008.2-1989

Plastics - Polyether polyols - Part 2: Specification

塑料 聚醚多元醇 第2部分：规格

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1 Scope

GB/T 12008.2-2010 is the Chinese national standard on plastics - polyether polyols - part 2: specification, in the field of rubber and plastic industries. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 26 September 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 August 2011. Classification: ICS 83.080.20, CCS G32. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This part of GB/T 12008 specifies the requirements, test methods, inspection rules and marking, packaging, transportation, storage of polyether polyols 113E, 210, 220, 220X, 330E, 348H, 330, 330X, 360H, 310, 403, 6305, 8305. This Part applies to polyether polyols 113E, 210, 220, 220X, 330E, 348H, 330, 330X, 360H, 310, 403, 6305, 8305, which are prepared by ring-opening polymerization of polyol and propylene oxide, (or) polyol and propylene oxide, and ethylene oxide under the action of a catalyst.

2 Normative references

The terms in the following documents become the terms of this Part by reference to this Part of

GB/T 12008. For dated references, all subsequent amendments (not including errata content) or revisions do not apply to this Part. However, parties to agreements that are based on this Part are encouraged to study whether the latest versions of these documents can be used. For undated references, the latest edition applies to this Part.

GB/T 605-2006, Chemical reagent - General method for the measurement of colour (eqv ISO 6353-1:1982)

GB/T 6678-2003, General Principles for Sampling Chemical Products

GB/T 6680-2003, General rules for sampling liquid chemical products

GB/T 6682-1992, Water for laboratory use; Specifications (ISO 3696:1987, MOD)

GB/T 12008.1-2009, Plastics - Polyether polyols - Part

3 Main representative products

Polyether polyols are classified and named according to GB/T 12008.1-2009. The main products and main uses of polyether polyols applicable to this Part are shown in Table 1.

4 Requirements

4.1 Appearance A uniform viscous liquid without suspended matter nor mechanical impurities.

5 Test methods

5.1 Determination of appearance Put 50 mL of sample into a 50 mL colorimetric tube; visually inspect from the side under transmitted light conditions.

5.2 Determination of chromaticity The platinum-cobalt color number is determined by the method that is specified in GB/T 605-2006; the Gardner color scale is determined by the method that is specified in GB/T 22295-2008.

5.3 Determination of hydroxyl number Use the method that is specified in GB/T 12008.3-2009 for determination, with Method A as the arbitration method.

5.9 Determination of viscosity Use the method that is specified in GB/T 12008.7-2010 for determination, with Method A as the arbitration method.

5.10 Determination of pH value Measure according to the method that is specified in Appendix B.

6 Inspection rules

6.1 Inspection classification and inspection items The inspection of polyether polyol products is delivery inspection; all items in

4.2 of this Part are delivery inspection items.

6.3 Determination rules and reinspection rules

6.3.1 Determination rules Polyether polyols shall be inspected by the quality inspection department of the manufacturer in accordance with the test methods that are specified in this Part; the quality of the product shall be determined based on the inspection results and the requirements in this Part.

7 Marking, packaging, transportation and storage

7.1 Marking The packaging containers of polyether polyol products shall have clear and firm marking. The marking content may include: product name, specification, grade, net content, production date, batch number, standard number, name and site of the manufacturer, etc.