

ICS 83.080

CCS G32



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

GB/T 16577-2010

Replacing GB/T 16577-1996

Plastics - Tetrahydroxy polyether polyols

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Foreword

This standard replaces GB/T 16577-1996 "Tetrahydroxystilbene polyether polyol." The main technical differences between standard compared with GB/T 16577-1996 is.

- Modify the structure and expression of the rule criteria;
- Revised technical requirements 403,466H products;
- Increased 405E, 480H products;
- Product rating from three rating changed to two levels, the product level from "high-class product, first-class products, qualified" to "excellent Products, qualified "; Standard Test Method for Determination of hydroxyl value
- , unsaturation and viscosity is increased to "A Method for the Arbitration Act";
- Inspection rules to delete "batch does not exceed 100t";
- Inspection rules to add a "bottle for testing, another bottle stored for future reference";
- Storage of "storage period of six months" to "storage period of one year";
- Cancellation of the original Appendix A "acid value";
- Increase the informative Appendix A. Appendix A of this standard is an informative annex. 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. This standard is drafted by: China Sinopec Asset Management Corporation Tianjin Petrochemical Company. Participated in the drafting of this Standard. China Sinopec Assets Management Corporation Shanghai Gaoqiao Company, Jiangsu Province chemical research all Ltd., Jiangsu Zhongshan Chemical Co., Ltd., the National Quality Supervision and Inspection Center of synthetic resin. The main drafters of this standard. Duxin Lei, Su Li, Xu Qing, Song Hongxia, Liu Rong, Wang Jiandong. This standard replaces the standards previously issued as follows:

--- GB/T 16577-1996. Four plastic hydroxy polyether polyol

1 Scope

GB/T 16577-2010 is the Chinese national standard on plastics - tetrahydroxy polyether polyols, 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, 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 standard specifies a four-hydroxy polyether polyol 403,405E, requirements 466H, 480H, test methods, inspection rules and signs, including Equipment, transportation and storage. This standard applies to ethylene diamine, pentaerythritol as initiator, in the catalyst with ethylene oxide, propylene oxide ring-opening polymerization of Four hydroxy polyether polyol 403,405E, 466H, 480H.

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.

GB/T 605-2006 Chemical Reagent Chroma General method

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

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

GB/T 12008.1-2009 plastic polyether polyols - Part 1. Designation system

GB/T 12008.2-2010 plastic polyether polyols - Part 2. Specifications Determination of hydroxyl value.

GB/T 12008.3-2009 plastic polyether polyol Part 3

GB/T 12008.4-2009 plastic polyether polyol Part 4. Determination of sodium and potassium

GB/T 12008.5-2010 plastic polyether polyols - Part 5. Determination of acid value
Determination of unsaturation.

GB/T 12008.6-2010 plastic polyether polyols - Part 6

GB/T 12008.7-2010 plastic polyether polyols - Part 7. Determination of viscosity

GB/T 22295-2008 transparent liquid color measurement method (Gardner Color)
(ASTMD1544-2004, MOD)

GB/T 22313-2008 plastic used to determine the production of polyurethane polyols water
content (ISO 14897.2002, IDT)

3 Representatives of major domestic product

Tetrahydroxy polyether polyol according to GB/T 12008.1-2009 named four hydroxyl
polyether polyol products on behalf of major domestic and Table

1 The main purpose. NOTE. Four-hydroxy polyether polyol according to GB/T 12008.1-2009
classification and naming obtained previously using the standard specifications and control
see Appendix A. Table 1 main representative products and their main purpose The main
purpose specification 403 rigid polyurethane spray with the main raw material 405E rigid
polyurethane spray with the main raw material The main raw material 466H soft
polyurethane, cold molded, high resilience foam The main raw material 480H soft
polyurethane, cold molded, high resilience foam

4 Requirements

4.1 Appearance No suspension, no mechanical impurities, uniform and transparent viscous
liquid.