

ICS 83.080.20

CCS G32



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

GB/T 12671-2008

Replacing GB 12671-1990

Polystyrene (PS) resin

聚苯乙烯(PS)树脂

Issued on: August 4, 2008

Implemented on: April 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB 12671-1990 "polystyrene (PS) resin." The main difference compared with the standard GB 12671-1990 are as follows:

--- Chapter 2, "Normative references", in addition to hygiene standards and standard plastic resin outer sampling methods were replaced dated references file.

--- Increased Chapter 3, "Classification and Nomenclature."

--- Increase the Chapter 4, "General requirements."

--- In 5.1, delete the original standard "size of the particles in any direction should be (2 ~ 5) mm" requirements.

--- Chapter 5, "Requirements", with "the appearance of the particles" instead of the original standard of "cleanliness", with "Charpy impact strength" to replace the original standards The "Izod impact strength." Delete the original standard "flexural modulus" increased "Tensile Stress", "load deformation temperature Degree "and other projects.

--- Chapter 9 polystyrene resin increases shelf life requirements.

--- Added Appendix A "national standard polystyrene resin product trade name and corporate name table." Appendix A of this standard is the data appendix. The standard proposed by China Petroleum and Chemical Corporation. This standard by the National Standardization Technical Committee plastic plastic resins and petrochemical products Club (SAC/TC15/SC1) centralized. This standard was drafted. China Petroleum and Chemical Corporation Beijing Yanshan Company chemical plant. The participating units Standard. China Petroleum and Chemical Corporation Guangzhou Branch, Shanghai Secco Petrochemical Company Limited. The main drafters of this standard. Cuiguang Hong, Su Xiaoyan. This standard was first released in 1990, this is the first revision. Polystyrene (PS) resin

1 Scope

GB/T 12671-2008 is the Chinese national standard on polystyrene (ps) resin, 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 4 August 2008 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 April 2009. 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 standard specifies the classification of polystyrene (PS) resin nomenclature, requirements, test methods, inspection rules, marking, packaging, transportation and storage Memory and so on. This standard applies to the amorphous polystyrene homopolymer. This standard does not apply to polystyrene, styrene copolymers, styrene derivatives homopolymers and those with other polymers, such as Elastomer modified varieties.

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 /1040.1-2006 Plastics Determination of tensile properties T Part 1. General (

ISO 527-1.1993, IDT) GB /1040.2-2006 Plastics Determination of tensile properties T - Part 2. Test plastics molding and extrusion conditions (

ISO 527- 2.1993, IDT) Representation

GB/T 1250-1989 and method of determining the limit values

GB/T 1633-2000 thermoplastics Vicat softening temperature (VST) is measured (idt ISO 306.1994)

GB/T 1634.2-2004 Determination of plastic deflection temperature under load - Part 2. Plastics, ebonite and long-fiber-reinforced composite materials Material (

ISO 75-2.2003, IDT) Determination of

GB/T 2410-2008 transparent plastic light transmittance and haze

GB/T 2547-2008 plastic resin sampling method

GB/T 2918-1998 standard plastic sample conditioning and environmental tests (idt ISO 291.1997)

GB/T 3682-2000 quality thermoplastic melt flow rate and melt volume flow rate measurement (idt ISO 1133. 1997)

GB/T 6594.1-1998 Plastics Polystyrene (PS) molding and extrusion materials - Part 1. Designation system and basis (Eqv ISO 1622-1.1994)

GB/T 6594.2-2003 Plastics Polystyrene (PS) molding and extrusion materials - Part 2. Preparation of test specimens and determination (ISO 1622-2.1995, MOD)

GB 9692 polystyrene resin for food packaging hygiene standards