

ICS 83.080.20

CCS G 32



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

GB/T 37194.1-2018

**Plastics -- Poly (phenylene sulfide) (PPS) moulding and
extrusion materials -- Part 1: Designation system and basis for
specifications**

Issued on: December 28, 2018

Implemented on: November 1, 2019

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

GB/T 37194 "Plastic polyphenylene sulfide (PPS) molding and extrusion materials" is divided into two parts.

--- Part 1. The naming system and classification basis;

--- Part 2. Sample preparation and performance determination.

This part is the first part of GB/T 37194.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to ISO 28078-1.2009 "Plastic polyphenylene sulfide (PPS) molding and extrusion materials Part 1

Points. Naming System and Classification Foundation.

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

GB/T 1844.1-2008 Plastic symbols and abbreviations - Part 1. Basic polymers and their characteristic properties (ISO 1043-1.

2001, IDT)

GB/T 16288-2008 Mark of plastic products (ISO 11469.2000, MOD)

Plastics - Polyphenylene sulfide (PPS) moulding and extruded materials - Part 2.

Preparation and performance testing of specimens

Ding (ISO 28078-2.2009, IDT)

This part was proposed by the China Petroleum and Chemical Industry Federation.

This part is under the jurisdiction of the National Plastics Standardization Technical Committee (SAC/TC15).

This standard is mainly drafted by. Zhonglan Chenguang Chemical Research and Design Institute Co., Ltd., Zhejiang Xinhecheng Special Materials Co., Ltd., Dunhuang West

Domain Special New Materials Co., Ltd., Zhongguang Nuclear Juner New Materials Co., Ltd., Chongqing Kejufu Engineering Plastics Co., Ltd., Sichuan Deyang

Special New Materials Co., Ltd., Zhonglan Chenguang Chengdu Testing Technology Co., Ltd.

1 Scope

1.1 This part of GB/T 37194 specifies the naming system for the classification of thermoplastic polyphenylene sulfide materials.

1.2 Different types of polyphenylene sulfide plastics are based on the values of the characteristic properties specified below and the specific uses and/or processing methods, important properties, Tim

Additives based on additives, colorants, fillers, and reinforcement-based classification systems.

a) melt mass flow rate or melt viscosity;

b) density;

c) tensile modulus.

1.3 This part of GB/T 37194 applies to all PPS materials.

It is suitable for powder, granule or pellets, unmodified or modified by colorants, additives, fillers and reinforcing materials.

material.

1.4 Materials with the same name do not necessarily have the same performance. This section does not provide engineering data, performance data or specified materials.

Data on the specific conditions of use and/or processing conditions required by the processing method.

These additional properties can be determined as required by the test method specified in ISO 28078-2.

1.5 In order to illustrate the special use of a thermoplastic material or to ensure the reproducibility of processing, additional requirements can be given using character group 5 (see

3.1).

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 1043-1 Plastic symbols and abbreviations - Part 1. Basic polymers and their characteristic properties (Plastics-Symbols and

abbreviated terms - Part 1. Basic polymers and their special characteristics)

ISO 11469 General markings and markings for plastic products
(Plastics - Generic identification and marking of plastics

Products)

Plastics - Polyphenylene sulfide (PPS) moulding and extruding materials - Part 2.
Preparation and performance determination of samples (Plas-

tics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 2. Preparation of test
Specimens and determination of properties)

3.1 Overview

The thermoplastic naming system is based on the following standard modes.