



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

GB/T 36374.2-2018

**Plastics -- Sulfone polymer moulding and extrusion materials --
Part 2: Preparation of test specimens and determination of
properties**

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Foreword

GB/T 36374 "Plastic sulfone polymer 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 second part of GB/T 36374.

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 25137-2:2009 "Plastic sulfone polymer molding and extrusion materials - Part 2. Samples

Preparation and performance determination.

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

Plastics -- Determination of density of non-foam plastics -- Part 1 . Dipping method, liquid pycnometer method

Law (ISO 1183-1:2004, IDT)

---GB/T 1034-2008 Determination of water absorption of plastics (ISO 62:2008, IDT)

Plastics -- Determination of tensile properties of plastics -- Part 2 . Test conditions for moulding and extruded plastics

(ISO 527-2:1993, IDT)

Plastics -- Determination of impact properties of simply supported beams -- Part 1 . Non-instrumental impact test

(ISO 179-1:2000, IDT)

Plastics -- Determination of impact strength of simply supported beams - Part 2. Instrument impact test (ISO 179-2.

2000, IDT)

GB/T 1408.1-2016 Test methods for electrical strength of insulating materials - Part 1. Tests under power frequency (IEC 60243-1.

2013, IDT)

---GB/T 1409-2006 Measuring the electrical conductivity of dielectric insulation materials at power frequency, audio, high frequency (including the wavelength of the meter wave)

Recommended method for mass loss factor (IEC 60250. 1969, MOD)

---GB/T 1410-2006 Test method for volume resistivity and surface resistivity of solid insulating materials (IEC 60093.1980,

IDT)

---GB/T 1633-2000 Determination of Vicat softening temperature (VST) of thermoplastics (ISO 306.1994, IDT)

Plastics -- Determination of deformation temperature of plastics -- Part 2 . Plastics, hard rubber and long fibre reinforced complexes

Materials (ISO 75-2.2003, IDT)

--- GB/T 2406.2-2009 Determination of combustion behaviour by oxygen index method Part 2. Room temperature test (ISO 4589-2.

1996, IDT)

---GB/T 2918 Standard environment for conditioning and testing of plastic samples (GB/T 2918-1998, idtISO 291.1997)

---GB/T 3682-2000 Determination of thermoplastic melt mass flow rate and melt volume flow rate (ISO 1133.

1997, IDT)

---GB/T 4207-2012 Determination of the electrical tracking resistance index and the electrical tracking index of solid insulating materials (IEC 60112.

2009, IDT)

--- GB T5169.16-2008 Electrical and electronic products - Fire hazard test - Part 16. Test flame 50W

Straight flame test method (IEC 60695-11-10.2003, IDT)

---GB/T 9341-2008 Determination of bending properties of plastics (ISO 178.2001, IDT)

Determination of creep properties of plastics -- Part 1 . Tensile creep (ISO 899-1.2003, IDT)

---GB/T 11997-2008 Plastic multi-purpose sample (ISO 3167.2002, IDT)

Thermoplastic materials -- Preparation of injection molded specimens - Part 1 . General principles and s

And preparation of long strip specimens (ISO 294-1.1996, IDT)

--- GB/T 19466.2-2004 Plastic differential scanning calorimetry (DSC) - Part 2.

Determination of glass transition temperature

(ISO 11357-2.1999, 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).

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1 Scope

This part of GB/T 36374 specifies the preparation process and test side for the performance test of sulfone polymer molding and extrusion materials.

law. This section specifies the treatment method of the material to be tested, as well as the condition of the test material before molding and the sample before the test.

This section gives the sulphide polymer molding and extrusion material sample preparation process and conditions and the test material properties of these samples.

The process also lists the properties required to characterize sulfone polymer molding and extrusion materials and their testing methods.

The performance item is selected from the general test method ISO 10350-1. Some other important or broad sulfone polymer molding and extrusion materials

The commonly used test methods are also included in this section, and feature performance can be found in ISO 25137-1.

In order to obtain comparable and reproducible test results, the sample preparation process and state adjustment method and test shall be carried out in accordance with the provisions of this section.

Sample size and test methods were performed. Test data using different sample sizes or sample preparation methods may not be consistent.

2 Normative references

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

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

ISO 62 plastic water absorption (Plastics-Determination of waterabsorption)

Plastics -- Determination of deformation temperature of plastics - Part 2. Plastics and hard rubber (Plastics-Determination of