

ICS 83.080.20

CCS G 31



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

GB/T 35513.1-2017

**Plastics -- Polycarbonate (PC) moulding and extrusion
materials -- Part 1: Designation system and basis for
specifications**

塑料 聚碳酸酯(PC)模塑和挤出材料 第1部分：命名系统和分类基础

(English Translation)

Issued on: December 29, 2017

Implemented on: July 1, 2018

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

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Foreword

GB/T 35513 "plastic polycarbonate (PC) molding and extrusion material" is divided into two parts.

--- Part 1. Naming system and classification basis;

--- Part 2. Preparation of samples and performance testing.

This section GB/T 35513 Part 1.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 7391-1-2006 "plastic polycarbonate (PC) molding and extrusion materials Part 1.

Naming system and classification basis. " the documents of our country that are consistent with the corresponding international documents that are normative references in this section are as follows.

--- GB/T 1844.1-2008 Plastics symbols and abbreviations - Part 1. Basic polymers and their characteristic properties (ISO 1043-1:2001, IDT);

--- GB/T 35513.2-2017 Plastics - Polycarbonate (PC) molding and extrusion materials - Part 2. Preparation of test specimens and properties Test (ISO 7391-2:2006, MOD).

This part is proposed by China Petroleum and Chemical Industry Federation.

This part of the National Plastics Standardization Technical Committee Engineering Plastics Sub-Technical Committee (SAC/TC15/SC9) centralized.

This part of the standard drafting unit. China Blue Star (Group) Co., Ltd., Mid-blue Chenguang Chemical Research and Design Institute Co., Ltd., Zhuhai Yu Kang Enterprise Co., Ltd., China Nuclear Nuclear Jun Seoul New Materials Co., Ltd., Guangzhou Poly Race Long Engineering Plastics Co., Ltd., Luxi Group Co., Ltd., Blue Cheng Cheng Detection Technology Co., Ltd. in Chengdu.

1 Scope

1.1

GB/T 35513 of this part specifies the naming system and classification of polycarbonate thermoplastic materials.

1.2

Different Types of Polycarbonate Plastic Depending on the values of the characteristic properties specified below and on the specific application and/or process, the important properties, Tim Additives, colorants, fillers and reinforcements based classification system to be distinguished.

- a) sticky number;
- b) melt volume flow rate;
- c) Charpy impact strength.

1.3

This section applies to carbonated and aromatic diphenol compounds thermoplastic polyester. The polyester can be a homopolymer, a copolymer, or a mixture of both Compound.

This section applies to powder, granular or flake ordinary materials, but also for unmodified or colorants, additives, fillers and other modified material.

1.4

This section does not imply that the same named material must have the same properties. This section does not provide instructions for the specific use of materials and /or process data required for engineering, performance data or processing conditions.

If required, these additional properties may be determined according to the test methods specified in ISO 7391-2.

1.5

In order to specify the specific use of a thermoplastic material or to ensure reproducibility of processing, additional requirements may be given in character group 5 (see 3.1).

2 Normative references

The following documents for the application of this document is essential. 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 Plastics 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 7391-2 Plastics - Polycarbonate (PC) molding and extrusion materials - Part 2. Specimen preparation and performance testing [Plastics-Polycarbonate (PC) molding and extrusion materials-Part 2. Preparation of specialties and determination of properties]

3.1 Overview

Thermoplastics naming system based on the following standard model.

name

Description group

(Optional)

Feature Project Team National standards group Single group Character group 1 character group 2 character group 3 character group 4 character group 5