

SLOVENSKI STANDARD

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Nadomešča:

SIST EN ISO 10350-1:2008

SIST EN ISO 10350-1:2008/A1:2014

Polimerni materiali - Pridobitev in predstavitev primerljivih značilnih enotočkovnih podatkov - 1. del: Materiali za oblikovanje (ISO 10350-1:2017)

Plastics - Acquisition and presentation of comparable single-point data - Part 1: Moulding materials (ISO 10350-1:2017)

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Kunststoffe - Ermittlung und Darstellung vergleichbarer Einpunktkennwerte - Teil 1: Formmassen (ISO 10350-1:2017)

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Plastiques - Acquisition et présentation de caractéristiques intrinsèques comparables - Partie 1: Matériaux pour moulage (ISO 10350-1:2017)

Ta slovenski standard je istoveten z: EN ISO 10350-1:2017

ICS:

83.080.20 Plastomeri Thermoplastic materials

SIST EN ISO 10350-1:2018 en,fr,de

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EUROPEAN STANDARD

EN ISO 10350-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Plastics - Acquisition and presentation of comparable single-point data - Part 1: Moulding materials (ISO 10350-1:2017)

Plastiques - Acquisition et présentation de caractéristiques intrinsèques comparables - Partie 1: Matériaux pour moulage (ISO 10350-1:2017)

Kunststoffe - Ermittlung und Darstellung vergleichbarer Einpunktkennwerte - Teil 1: Formmassen (ISO 10350-1:2017)

This European Standard was approved by CEN on 10 September 2017.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 10350-1:2017) has been prepared by Technical Committee ISO/TC 61 “Plastics” in collaboration with Technical Committee CEN/TC 249 “Plastics” the secretariat of which is held by NBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest May 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 10350-1:2008.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 10350-1:2017 has been approved by CEN as EN ISO 10350-1:2017 without any modification.

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INTERNATIONAL
STANDARD

ISO
10350-1

Third edition
2017-09

**Plastics — Acquisition and
presentation of comparable single-
point data —**

**Part 1:
Moulding materials**

*Plastiques — Acquisition et présentation de caractéristiques
intrinsèques comparables —
Partie 1: Matériaux pour moulage*

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ISO 10350-1:2017(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical behavior*.

<https://standards.iteh.ai/catalog/standards/sist/bc862189-3f67-4998-a991-4b16127442/amendment/10350-1-2017>

This third edition cancels and replaces the second edition (ISO 10350-1:2007), which has been technically revised. It also incorporates the Amendment ISO 10350-1:2007/Amd.1:2014.

A list of all parts in the ISO 10350 series can be found on the ISO website.

Introduction

The ISO 10350 series has been prepared because users of plastics find that available data cannot always be readily used to compare the properties of similar materials, especially when the data have been supplied by different sources. Even when the same standard tests have been used, they often allow the adoption of a wide range of alternative test conditions, and the data obtained are not necessarily comparable. The purpose of this document is to identify specific methods and conditions of test to be used for the acquisition and presentation of data in order that valid comparisons between materials can be made.

The ISO 10350 series is concerned with tests employed to present “single-point” data on the limited range of properties commonly included in data sheets and used for the preliminary selection of materials. Such data represent the most basic approach to the specification of properties of materials, and the ISO 10350 series thus facilitates the first steps towards more efficient selection and use of plastics in the many applications to which they are suited.

Complementary International Standards (ISO 11403-1, ISO 11403-2 and ISO 11403-3) are concerned with the standardized acquisition and presentation of multipoint data, to demonstrate how properties vary with important factors such as time, temperature and the presence of particular natural and chemical environments. In these documents, some additional properties are included. Their use will provide a more substantial database than one containing only single-point data, and so will enable improved assessment of the fitness of a material for any particular application. In addition, ISO 11403-1, which deals with mechanical properties, assists predictions of the performance of components and ISO 11403-2, covering thermal and processing properties, aids predictions of melt-flow behaviour during manufacturing. ISO 11403-3 is concerned with environmental influences on properties, and other parts may be prepared to cover additional properties.

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