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STN	**Plasty** **Polykarbonátové (PC) materiály na tvárnenie a vytláčanie** **Časť 1: Systém označovania a základy na špecifikáciu (ISO 21305-1: 2019)**	**STN** **EN ISO 21305-1** 64 2400

Plastics - Polycarbonate (PC) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 21305-1:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/19

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Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

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EN ISO 21305-1

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ICS 83.080.20

Supersedes EN ISO 7391-1:2006

English Version

Plastics - Polycarbonate (PC) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 21305-1:2019)

Plastiques - Materiaux a base de polycarbonate (PC) pour moulage et extrusion - Partie 1: Système de désignation et base de spécifications (ISO 21305-1:2019)

Kunststoffe - Polycarbonat (PC)-Werkstoff - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 21305-1:2019)

This European Standard was approved by CEN on 8 February 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 21305-1:2019) 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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.

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Endorsement notice

The text of ISO 21305-1:2019 has been approved by CEN as EN ISO 21305-1:2019 without any modification.

INTERNATIONAL STANDARD

ISO 21305-1

First edition
2019-02

Plastics — Polycarbonate (PC) moulding and extrusion materials —

Part 1: Designation system and basis for specification

Plastiques — Matériaux à base de polycarbonate (PC) pour moulage et extrusion —

Partie 1: Système de désignation et base de spécifications

Reference number
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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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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).

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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.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This first edition of ISO 21305-1 cancels and replaces ISO 7391-1:2006, which has been technically revised to introduce a new designation system.

A list of all parts in the ISO 21305 series can be found on the ISO website.

INTERNATIONAL STANDARD **ISO 21305-1:2019(E)**

Plastics — Polycarbonate (PC) moulding and extrusion materials —

Part 1: Designation system and basis for specification

1 Scope

This document establishes a system of designation for polycarbonate (PC) moulding and extrusion materials, which can be used as the basis for specifications.

The types of polycarbonate plastic are differentiated from each other by a classification system based on appropriate levels of the designatory properties:

a) melt volume-flow rate;

b) Charpy notched impact strength;

and on information about the intended application and/or method of processing, important properties, additives, colorants, fillers and reinforcing materials.

This document is applicable to all polycarbonate homopolymers and copolymers. It applies to unmodified materials ready for normal use and materials modified, for example, by colorants, additives, fillers, reinforcing materials, and polymer modifiers.

It is not intended to imply that materials having the same designation give necessarily the same performance. This document does not provide engineering data, performance data or data on processing conditions which can be required to specify a material. If such additional properties are required, they are intended to be determined in accordance with the test methods specified ISO 21305-2, if suitable.

In order to designate a thermoplastic material to meet particular specifications, the requirements are given in data block 5 (see 4.6).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1043-1, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics*

ISO 21305-2, *Plastics — Polycarbonate (PC) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties*

