



SLOVENSKI STANDARD SIST EN ISO 7823-3:2021

01-september-2021

Nadomešča:

SIST EN ISO 7823-3:2007

**Polimerni materiali - Plošče iz polimetilmetakrilata - Vrste, mere in značilnosti - 3.
del: Kontinuirno lite plošče (ISO 7823-3:2021)**

Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics -
Part 3: Continuous cast sheets (ISO 7823-3:2021)

Kunststoffe - Tafeln aus Polymethylmethacrylat - Typen, Maße und Eigenschaften - Teil
3: Endlosprodukte (ISO 7823-3:2021)

Plastiques - Plaques en poly(méthacrylate de méthyle) - Types, dimensions et
caractéristiques - Partie 3: Plaques coulées continues (ISO 7823-3:2021)

Ta slovenski standard je istoveten z: EN ISO 7823-3:2021

ICS:

83.140.10 Filmi in folije Films and sheets

SIST EN ISO 7823-3:2021 en,fr,de

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EUROPEAN STANDARD

EN ISO 7823-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2021

ICS 83.140.10

Supersedes EN ISO 7823-3:2007

English Version

Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics - Part 3: Continuous cast sheets (ISO 7823-3:2021)

Plastiques - Plaques en poly(méthacrylate de méthyle)
- Types, dimensions et caractéristiques - Partie 3:
Plaques coulées continues (ISO 7823-3:2021)

Kunststoffe - Tafeln aus Polymethylmethacrylat -
Typen, Maße und Eigenschaften - Teil 3:
Endlosprodukte (ISO 7823-3:2021)

This European Standard was approved by CEN on 8 June 2021.

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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.

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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 7823-3:2021) 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of an identical text or by endorsement, at the latest by December 2021, and conflicting national standards shall be withdrawn at the latest by December 2021.

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 7823-3:2007.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
7823-3

Third edition
2021-06

**Plastics — Poly(methyl methacrylate)
sheets — Types, dimensions and
characteristics —**

**Part 3:
Continuous cast sheets**

iTeh STANDARD PREVIEW
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*Plastiques — Plaques en poly(méthacrylate de méthyle) — Types,
dimensions et caractéristiques —
Partie 3: Plaques coulées continues*

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Reference number
ISO 7823-3:2021(E)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
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Published in Switzerland

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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).

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 of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 7823-3:2007), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- the normative references clause has been updated.

A list of all parts in the ISO 7823 series can be found on the ISO website.

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.

Plastics — Poly(methyl methacrylate) sheets — Types, dimensions and characteristics —

Part 3: Continuous cast sheets

1 Scope

This document specifies requirements for non-modified flat poly(methyl methacrylate) (PMMA) continuous cast sheets for general-purpose use. The sheets can be colourless or coloured, and can be transparent, translucent or opaque.

The thickness range of the sheets covered by document is 1 mm to 10 mm.

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 62, *Plastics — Determination of water absorption*

ISO 75-2:2013, *Plastics — Determination of temperature of deflection under load — Part 2: Plastics and ebonite*

ISO 178, *Plastics — Determination of flexural properties*

ISO 179-1, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test*

ISO 291, *Plastics — Standard atmospheres for conditioning and testing*

ISO 306:2013, *Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST)*

ISO 489:1999, *Plastics — Determination of refractive index*

ISO 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics*

ISO 877-1, *Plastics — Methods of exposure to solar radiation — Part 1: General guidance*

ISO 877-2, *Plastics — Methods of exposure to solar radiation — Part 2: Direct weathering and exposure behind window glass*

ISO 877-3, *Plastics — Methods of exposure to solar radiation — Part 3: Intensified weathering using concentrated solar radiation*

ISO 1183-1, *Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pycnometer method and titration method*

ISO 1183-2, *Plastics — Methods for determining the density of non-cellular plastics — Part 2: Density gradient column method*

ISO 2039-2, *Plastics — Determination of hardness — Part 2: Rockwell hardness*

ISO 2818, *Plastics — Preparation of test specimens by machining*