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Plastiki - Polimethylmetakrilatne ploče - Vrste, dimenzije in lastnosti -  
Del 2: Toplotno kalendrirane ekstrudirane ploče (ISO 7823-2:1996)

Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics -  
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Kunststoffe - Polymethylmethacrylat Tafeln - Lieferformen, Maße und Eigenschaften -  
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**Ta slovenski standard je istoveten z: EN ISO 7823-2:1996**

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**ICS:**

83.140.10      Filmi in folije                      Films and sheets

**SIST EN ISO 7823-2:1999**                      **en**

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EUROPEAN STANDARD

EN ISO 7823-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1996

ICS 83.140

Descriptors: see ISO document

English version

Plastics - Poly(methyl methacrylate) sheets -  
Types, dimensions and characteristics - Part 2:  
Melt-calendered extruded sheets  
(ISO 7823-2:1996)

Plastiques - Plaques en poly(méthacrylate de  
méthyle) - Types, dimensions et  
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

## Foreword

The text of the International Standard ISO 7823-2:1996 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 IBN.

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of an identical text or by endorsement, at the latest by May 1997, and conflicting national standards shall be withdrawn at the latest by May 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 7823-2:1996 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)****Normative references to international publications  
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 75-1	1993	Plastics - Determination of temperature of deflection under load - Part 1: General test method	EN ISO 75-1	1996
ISO 75-2	1993	Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite	EN ISO 75-2	1996
ISO 178	1993	Plastics - Determination of flexural properties	EN ISO 178	1996
ISO 179	1993	Plastics - Determination of Charpy impact strength	EN ISO 179	1996
ISO 306	1994	Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST)	EN ISO 306	1996
ISO 527-1	1993	Plastics - Determination of tensile properties - Part 1: General principles	EN ISO 527-1	1996
ISO 527-2	1993	Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics	EN ISO 527-2	1996
ISO 2818	1994	Plastics - Preparation of test specimens by machining	EN ISO 2818	1996
ISO 10350	1993	Plastics - Acquisition and presentation of comparable single-point data	EN ISO 10350	1995
ISO 13468-1	1996	Plastics - Determination of the total luminous transmittance of transparent materials - Part 1: Single beam instrument	EN ISO 13468-1	1996

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# INTERNATIONAL STANDARD

**ISO**  
**7823-2**

Second edition  
1996-11-15

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

### Part 2: Melt-calendered extruded sheets

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

*Plastiques — Plaques en poly(méthacrylate de méthyle) — Types,  
dimensions et caractéristiques —*

*Partie 2: Plaques extrudées-calandrées*

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Reference number  
ISO 7823-2:1996(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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7823-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 7823-2:1989), which has been technically revised.

ISO 7823 consists of the following parts, under the general title *Plastics — Poly(methyl methacrylate) sheets — Types, dimensions and characteristics*:

- *Part 1: Cast sheets*
- *Part 2: Melt-calendered extruded sheets*

Annexes A and B form an integral part of this part of ISO 7823.

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

## Part 2: Melt-calendered extruded sheets

### 1 Scope

**1.1** This part of ISO 7823 specifies requirements for poly(methyl methacrylate) (PMMA) flat sheets, extruded and melt-calendered from colourless or coloured, transparent, translucent or opaque grades of the materials defined in 3.1.

**1.2** The sheet-thickness range covered by this part of ISO 7823 is 1,5 mm to 12 mm.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 7823. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 7823 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 62:1980, *Plastics — Determination of water absorption.*

ISO 75-1:1993, *Plastics — Determination of temperature of deflection under load — Part 1: General test method.*

ISO 75-2:1993, *Plastics — Determination of temperature of deflection under load — Part 2: Plastics and ebonite.*

ISO 178:1993, *Plastics — Determination of flexural properties.*

ISO 179:1993, *Plastics — Determination of Charpy impact strength.*

ISO 291:— 1), *Plastics — Standard atmospheres for conditioning and testing.*

ISO 306:1994, *Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST).*

ISO 489:1983, *Plastics — Determination of the refractive index of transparent plastics.*

ISO 527-1:1993, *Plastics — Determination of tensile properties — Part 1: General principles.*

ISO 527-2:1993, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics.*

ISO 1133:— 2), *Plastics — Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics.*

ISO 1183:1987, *Plastics — Methods for determining the density and relative density of non-cellular plastics.*

ISO 1628-6:1990, *Plastics — Determination of viscosity number and limiting viscosity number — Part 6: Methyl methacrylate polymers.*

ISO 2039-2:1987, *Plastics — Determination of hardness — Part 2: Rockwell hardness.*

1) To be published. (Revision of ISO 291:1977)

2) To be published. (Revision of ISO 1133:1991)