

Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics - Part 1: Cast sheets

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EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN ISO 7823-1:2001 sisaldab Euroopa standardi EN ISO 7823-1:2000 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 7823-1:2001 consists of the English text of the European standard EN ISO 7823-1:2000.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English version

Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics - Part 1: Cast sheets (ISO 7823-1:1998)

Plastiques - Plaques en poly(méthacrylate de méthyle) - Types, dimensions et caractéristiques - Partie 1: Plaques coulées (ISO 7823-1:1998)

Kunststoffe - Tafeln aus Polymethylmethacrylat - Typen, Maße und Eigenschaften - Teil 1: Gegossene Tafeln (ISO 7823-1: 1998)

This European Standard was approved by CEN on 8 September 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. 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.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

This European Standard supersedes EN ISO 7823-1:1996.

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*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, 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 7823-1:1998 has been approved by CEN as a European Standard without any modification.

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

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 are 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 62	1999	Plastics – Determination of water absorption	EN ISO 62	1999
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 291	1997	Plastics – Standard atmospheres for conditioning and testing	EN ISO 291	1997
ISO 306	1994	Plastics – Thermoplastic materials – Determination of Vicat Softening Temperature (VST)	EN ISO 306	1996
ISO 489	1999	Plastics – Determination of refractive index	EN ISO 489	1999
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 877	1994	Plastics – Methods of exposure to direct weathering, to weathering using glass-filtered daylight, and to intensified weathering by daylight using Fresnel mirrors	EN ISO 877	1996
ISO 2039-2	1987	Plastics – Determination of hardness – Part 2: Rockwell hardness	EN ISO 2039-2	1999
ISO 2818	1994	Plastics – Preparation of test specimens by machining	E ISO 2818	1996
ISO 4892-2	1994	Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc sources	EN ISO 4892-2	1999
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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Plastics — Poly(methyl methacrylate) sheets — Types, dimensions and characteristics —

Part 1: Cast sheets

1 Scope

1.1 This part of ISO 7823 specifies requirements for non-modified flat poly(methyl methacrylate) (PMMA) cast sheets (plates and continuous) for general-purpose use. The sheets may be colourless or coloured, and may be transparent, translucent or opaque.

1.2 The thickness range of the sheets covered by this part of ISO 7823 is 1,5 mm to 25 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:—¹⁾, *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 179-1:—²⁾, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test.*

ISO 291:1997, *Plastics — Standard atmospheres for conditioning and testing.*

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

ISO 489:—³⁾, *Plastics — Determination of refractive index.*

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

1) To be published. (Revision of ISO 62:1980)

2) To be published. (Revision of ISO 179:1993)

3) To be published. (Revision of ISO 489:1983)