Plastics - Poly(methyl methacrylate) sheets -Types, dimensions and characteristics - Part 3: Ats

O Oreview Seneral and Orthor

SK **Continuous cast sheets**



FESTI STANDARDI FESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 7823-3:2007 sisaldab Euroopa standardi EN ISO 7823-3:2007 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 21.06.2007 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.05.2007.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 7823-3:2007 consists of the English text of the European standard EN ISO 7823-3:2007.

This standard is ratified with the order of Estonian Centre for Standardisation dated 21.06.2007 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 15.05.2007.

The standard is available from Estonian standardisation organisation.

ICS 83.140.10

Võtmesõnad:

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 7823-3

May 2007

ICS 83.140.10

Supersedes EN ISO 7823-3:2004

English Version

Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics - Part 3: Continuous cast sheets (ISO 7823-3:2007)

Plastiques - Plaques en poly(méthacrylate de méthyle) -Types, dimensions et caractéristiques - Partie 3: Plaques coulées continues (ISO 7823-3:2007) Kunststoffe - Tafeln aus Polymethylmethacrylat - Typen, Maße und Eigenschaften - Teil 3: Endlosprodukte (ISO 7823-3:2007)

This European Standard was approved by CEN on 23 April 2007.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN ISO 7823-3:2007) 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 November 2007, and conflicting national standards shall be withdrawn at the latest by November 2007.

This document supersedes EN ISO 7823-3:2004.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

reved by The text of ISO 7823-3:2007 has been approved by CEN as EN ISO 7823-3:2007 without any modifications.

INTERNATIONAL **STANDARD**

ISO 7823-3

> Second edition 2007-05-15

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

Part 3:

Continuous cast sheets

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coulées cu Plastiques — Plaques en poly(méthacrylate de méthyle) — Types, dimensions et caractéristiques -

Partie 3: Plaques coulées continues



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 7823-3 was prepared by Technical Committee ISO/TC 61, Plastics, Subcommittee SC 11, Products.

This second edition cancels and replaces the first edition (ISO 7823-3:2003), 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: Extruded sheets
- Part 3: Continuous cast sheets

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

Part 3:

Continuous cast sheets

1 Scope

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

The thickness range of the sheets covered by this part of ISO 7823 is 1 mm to 10 mm.

2 Normative references

The following referenced documents are indispensable for the application 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 62:1999, Plastics — Determination of water absorption

ISO 75-2:2004, 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 306:2004, Plastics — Thermoplastics 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, Plastics — Methods of exposure to direct weathering, to weathering using glass-filtered daylight, and to intensified weathering by daylight using Fresnel mirrors

ISO 1183-1:2004, Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pyknometer 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

ISO 2859-1, Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

ISO 4582, Plastics — Determination of changes in colour and variations in properties after exposure to daylight under glass, natural weathering or laboratory light sources

ISO 4892-2:2006, Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps

ISO 4892-4, Plastics — Methods of exposure to laboratory light sources — Part 4: Open-flame carbon-arc lamps

ISO 11359-2, Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature

ISO 13468-1, Plastics — Determination of the total luminous transmittance of transparent materials — Part 1: Single-beam instrument

ISO 13468-2, Plastics — Determination of the total luminous transmittance of transparent materials — Part 2: or transpa. Double-beam instrument

ISO 14782, Plastics — Determination of haze for transparent materials