

Plastics - Extruded sheets of polypropylene (PP) - Requirements and test methods

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 15013:2007 sisaldab Euroopa standardi EN ISO 15013:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 15013:2007 consists of the English text of the European standard EN ISO 15013:2007.</p> <p>This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This International Standard specifies the requirements and test methods for solid flat extruded sheets of polypropylene homopolymers (PP-H) and polypropylene copolymers (PP-B and PP-R) without fillers or reinforcing materials. This International Standard also applies to PP sheet in rolled form. It applies only to thicknesses of 0,5 mm to 40 mm.</p>	<p>Scope:</p> <p>This International Standard specifies the requirements and test methods for solid flat extruded sheets of polypropylene homopolymers (PP-H) and polypropylene copolymers (PP-B and PP-R) without fillers or reinforcing materials. This International Standard also applies to PP sheet in rolled form. It applies only to thicknesses of 0,5 mm to 40 mm.</p>
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ICS 83.140.10

Võtmesõnad: delivery, designation, dimensional tolerances, dimensions, extruded products, labelling, mechanical properties, plastics, plates, polypropylene, tests, thermal properties

English Version

**Plastics - Extruded sheets of polypropylene (PP) - Requirements
and test methods (ISO 15013:2007)**

Plastiques - Plaques extrudées en polypropylène (PP) -
Exigences et méthodes d'essai (ISO 15013:2007)

Kunststoffe - Extrudierte Tafeln aus Polypropylen (PP) -
Anforderungen und Prüfung (ISO 15013:2007)

This European Standard was approved by CEN on 13 September 2007.

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

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Foreword

This document (EN ISO 15013:2007) 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 April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

This document supersedes EN ISO 15013:1998.

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 the United Kingdom.

Endorsement notice

The text of ISO 15013:2007 has been approved by CEN as a EN ISO 15013:2007 without any modification.

**Plastics — Extruded sheets of
polypropylene (PP) — Requirements and
test methods**

*Plastiques — Plaques extrudées en polypropylène (PP) — Exigences et
méthodes d'essai*



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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
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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.

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 15013 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 15013:1998), Table 2 of which has been technically revised.

Plastics — Extruded sheets of polypropylene (PP) — Requirements and test methods

1 Scope

This International Standard specifies the requirements and test methods for solid flat extruded sheets of polypropylene homopolymers (PP-H) and polypropylene copolymers (PP-B and PP-R) without fillers or reinforcing materials. This International Standard also applies to PP sheet in rolled form. It applies only to thicknesses of 0,5 mm to 40 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 179-1, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test*

ISO 179-2, *Plastics — Determination of Charpy impact properties — Part 1: Instrumented impact test*

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

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

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

ISO 1873-1, *Plastics — Polypropylene (PP) moulding and extrusion materials — Part 1: Designation system and basis for specifications*

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

ISO 4577, *Plastics — Polypropylene and propylene-copolymers — Determination of thermal oxidative stability in air — Oven method*

ISO 11501, *Plastics — Film and sheeting — Determination of dimensional change on heating*

3 Material

Sheets shall consist of PP extrusion compounds as defined in ISO 1873-1, without fillers or reinforcing materials. The extrusion compounds can contain additives such as processing aids, stabilizers, flame retardants, impact modifiers and colorants. Compounds and additives of unknown identity shall not be used.

NOTE Legal conditions may necessitate a specific choice of extrusion material (see 4.3.3).