

**SLOVENSKI STANDARD
SIST EN ISO 11542-1:2001****01-junij-2001**

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Plastics - Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 11542-1:2001)

Kunststoffe - Ultrahochmolekulare Polyethylen (PE-UHMW)- Formmassen - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 11542-1:2001)

Plastiques - Matériaux a base de polyéthylène a tres haute masse moléculaire (PE-UHMW) pour moulage et extrusion - Partie 1: Systeme de désignation et base de spécifications (ISO 11542-1:2001)

Ta slovenski standard je istoveten z: EN ISO 11542-1:2001

ICS:

83.080.20 Plastomeri Thermoplastic materials

SIST EN ISO 11542-1:2001 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11542-1

February 2001

ICS 83.080.20

English version

**Plastics - Ultra-high-molecular-weight polyethylene (PE-UHMW)
moulding and extrusion materials - Part 1: Designation system
and basis for specifications (ISO 11542-1:2001)**

Plastiques - Matériaux à base de polyéthylène à très haute
masse moléculaire (PE-UHMW) pour moulage et extrusion
- Partie 1: Système de désignation et base de
spécifications (ISO 11542-1:2001)

Kunststoffe - Ultrahochmolekulare Polyethylen (PE-
UHMW)- Formmassen - Teil 1: Bezeichnungssystem und
Basis für Spezifikationen (ISO 11542-1:2001)

This European Standard was approved by CEN on 15 February 2001.

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 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 Management Centre 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

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

EN ISO 11542-1:2001 (E)**Foreword**

The text of the International Standard ISO 11542-1:2001 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 August 2001, and conflicting national standards shall be withdrawn at the latest by August 2001.

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 11542-1:2001 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 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 (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1043-1	1997	Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics	EN ISO 1043-1	1999
ISO 1628-3	1991	Plastics — Determination of viscosity number and of limiting viscosity number — Part 3: Polyethylenes and polypropylenes	EN ISO 1628-3	1999
ISO 11542-2	1998	Plastics — Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties	EN ISO 11542-2	1999

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INTERNATIONAL
STANDARD

ISO
11542-1

Second edition
2001-02-15

**Plastics — Ultra-high-molecular-weight
polyethylene (PE-UHMW) moulding
and extrusion materials —**

**Part 1:
Designation system and basis
for specifications**

iTeh STANDARD PREVIEW
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*Plastiques — Matériaux à base de polyéthylène à très haute masse
moléculaire (PE-UHMW) pour moulage et extrusion —*

Partie 1: Système de désignation et base de spécifications

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Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
Web www.iso.ch

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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 3.

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 part of ISO 11542 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 11542-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 11542-1:1994), which has been technically revised. The major change is that density has been replaced by Charpy notched impact strength as one of the designatory properties.

ISO 11542 consists of the following parts, under the general title *Plastics — Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials*:

- *Part 1: Designation system and basis for specifications*
- *Part 2: Preparation of test specimens and determination of properties*