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**Polimerni materiali - Materiali za oblikovanje in ekstrudiranje iz plastomernih poliestrov – 2. del: Priprava preskušancev in ugotavljanje lastnosti (ISO 7792-2:1997)**

Plastics - Thermoplastic polyester (TP) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 7792-2:1997)

Kunststoffe - Thermoplastische Polyester (TP)-Formmassen - Teil 2: Herstellung von Probekörpern und Bestimmung von Eigenschaften (ISO 7792-2:1997)

Plastiques - Polyesters thermoplastiques (TP) pour moulage et extrusion - Partie 2: Préparation des éprouvettes et détermination des propriétés (ISO 7792-2:1997)

**Ta slovenski standard je istoveten z: EN ISO 7792-2:2004**

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**ICS:**

83.080.20

Plastomeri

Thermoplastic materials

**SIST EN ISO 7792-2:2004**

**en,fr,de**

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SIST EN ISO 7792-2:2004

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 7792-2**

July 2004

ICS 83.080.20

English version

**Plastics - Thermoplastic polyester (TP) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 7792-2:1997)**

Plastiques - Polyesters thermoplastiques (TP) pour  
moulage et extrusion - Partie 2: Préparation des  
échantillons et détermination des propriétés (ISO 7792-  
2:1997)

This European Standard was approved by CEN on 21 June 2004.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 7792-2:2004 (E)

## Foreword

The text of ISO 7792-2:1997 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 7792-2:2004 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 January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## Endorsement notice

The text of ISO 7792-2:1997 has been approved by CEN as EN ISO 7792-2:2004 without any modifications.

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 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 291	1997	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	1997
ISO 294-1	1996	Plastics - Injection moulding of test specimens of thermoplastic materials - Part 1: General principles, and moulding of multipurpose and bar test specimens	EN ISO 294-1	1998
ISO 306	1994	Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST)	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

**EN ISO 7792-2:2004 (E)**

ISO 2818	1994	Plastics - Preparation of test specimens by machining	EN ISO 2818	1996
ISO 3146	2000	Plastics - Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods	EN ISO 3146	2000
ISO 4589-1	1996	Plastics - Determination of burning behaviour by oxygen index - Part 1: Guidance	ISO 4589-1	1999
ISO 4589-2	1996	Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient-temperature test	ISO 4589-2	1999
ISO 8256	1990	Plastics - Determination of tensile-impact strength	EN ISO 8256	1996

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# INTERNATIONAL STANDARD

**ISO**  
**7792-2**

Second edition  
1997-12-01

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## Plastics — Thermoplastic polyester (TP) moulding and extrusion materials —

### Part 2:

Preparation of test specimens and  
determination of properties

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

*Plastiques — Polyesters thermoplastiques (TP) pour moulage et extrusion —  
Partie 2: Préparation des éprouvettes et détermination des propriétés*

SIST EN ISO 7792-2:2004

<https://standards.iteh.ai/catalog/standards/sist/195fbd70-ab90-4362-afbc-b49951f68923/sist-en-iso-7792-2-2004>



Reference number  
ISO 7792-2:1997(E)

## ISO 7792-2:1997(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 7792-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 7792-2:1988) and includes the following changes:

- The scope has been expanded to include all thermoplastic polyester (TP) homopolymers and copolymers.
- The text has been brought into accordance with the standard SC 9 frame text.
- PCT and PEN have been added, and moulding conditions have been listed in a new table.
- The table of standard properties and test conditions has been revised in accordance with ISO 10350.

ISO 7792 consists of the following parts, under the general title *Plastics — Thermoplastic polyester (TP) moulding and extrusion materials*:

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

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# Plastics — Thermoplastic polyester (TP) moulding and extrusion materials —

## Part 2:

## Preparation of test specimens and determination of properties

### 1 Scope

This part of ISO 7792 specifies the methods of preparation of test specimens and the standard test methods to be used in determining the properties of thermoplastic polyester moulding and extrusion materials. Requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing are given here.

Procedures and conditions for the preparation of test specimens in a specified state and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods which are suitable and necessary to characterize thermoplastic polyester moulding and extrusion materials are listed.

The properties have been selected from the general test methods in ISO 10350. Other test methods in wide use for or of particular significance to these moulding and extrusion materials are also included in this part of ISO 7792, as are the designatory properties specified in part 1 (viscosity number and tensile modulus of elasticity).

In order to obtain reproducible and comparable test results, it is necessary to use the methods of specimen preparation and conditioning, the specimen dimensions and the test procedures specified herein. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 7792. 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 7792 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*.