



# SLOVENSKI STANDARD SIST EN ISO 295:2000

01-maj-2000

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## Polimerni materiali - Stiskanje duromernih preskušancev (ISO 295:1991)

Plastics - Compression moulding of test specimens of thermosetting materials (ISO 295:1991)

Kunststoffe - Pressen von Probekörpern aus duroplastischen Werkstoffen (ISO 295:1991)

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Plastiques - Moulage par compression des éprouvettes en matières thermodurcissables (ISO 295:1991)

SIST EN ISO 295:2000

Ta slovenski standard je istoveten z: **EN ISO 295:1998**

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### **ICS:**

83.080.10 Duromeri

Thermosetting materials

**SIST EN ISO 295:2000**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 295

August 1998

ICS 83.080.10

Descriptors: see ISO document

English version

## Plastics - Compression moulding of test specimens of thermosetting materials (ISO 295:1991)

Plastiques - Moulage par compression des éprouvettes en  
matières thermodurcissables (ISO 295:1991)

Kunststoffe - Pressen von Probekörpern aus  
duroplastischen Werkstoffen (ISO 295:1991)

This European Standard was approved by CEN on 16 October 1998.

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.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN ISO 295:1998

## 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 February 1999, and conflicting national standards shall be withdrawn at the latest by February 1999.

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 295:1991 has been 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.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                           | <u>EN</u>   | <u>Year</u> |
|--------------------|-------------|--|-------------|-------------|
| ISO 3167           | 1993        | Plastics - Multipurpose-test specimens | EN ISO 3167 | 1996        |

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# INTERNATIONAL STANDARD

**ISO**  
**295**

Second edition  
1991-11-01

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## Plastics — Compression moulding of test specimens of thermosetting materials.

*Plastiques — Moulage par compression des éprouvettes en matières  
thermodurcissables*  
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Reference number  
ISO 295:1991(E)

## ISO 295:1991(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 295 was prepared by Technical Committee ISO/TC 61, *Plastics*, Sub-Committee SC 12, *Thermosetting materials*.

This second edition cancels and replaces the first edition (ISO 295:1974), of which it constitutes a technical revision.

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International Organization for Standardization  
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# Plastics — Compression moulding of test specimens of thermosetting materials.

## 1 Scope

This International Standard specifies the general principles and the procedures to be followed for the preparation of test specimens from thermosetting compounds moulded under heat and pressure and for the establishment of comparable test reports from different testing organizations. It is applicable only to thermosetting materials based upon phenolics (ISO 800), aminoplastics (ISO 2112), melamine phenolics (ISO 4896), epoxides and unsaturated polyesters.

Because the properties of the specimens moulded from thermosetting materials depend on the conditions of preparation of the specimens, this International Standard also specifies the details of specimen preparation to be included with test reports of the properties of such specimens.

It may often be necessary to prepare specimens by special methods because of their composition, their flow properties or other variable factors. In this case, an agreement shall be made between the interested parties. The tables giving the specimen properties shall refer to these specific methods.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard 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 468:1982, *Surface roughness — Parameters, their values and general rules for specifying requirements.*

ISO 800:—<sup>1)</sup>, *Plastics — Phenolic moulding materials — Specification.*

ISO 1183:1987, *Plastics — Methods for determining the density and relative density of non-cellular plastics.*

ISO 2112:1990, *Plastics — Aminoplastic moulding materials — Specification.*

ISO 3167:1983, *Plastics — Preparation and use of multipurpose test specimens.*

ISO 4896:1990, *Plastics — Melamine/phenolic moulding materials — Specification.*

## 3 Definitions

For the purposes of this International Standard, the following definitions apply.

**3.1 deviations of temperature in position:** Deviations of temperature existing simultaneously between various points inside the mould after the temperature adjustment device has been set at a given temperature and after a permanent thermal equilibrium has been reached.

**3.2 deviations of temperature in time:** Deviations of temperature that may occur at a single given point on the inside of the mould at various times after the temperature adjustment device has been set at a given temperature and after a permanent thermal equilibrium has been reached.

1) To be published. (Revision of ISO 800:1977)