



SLOVENSKI STANDARD
SIST EN ISO 294-3:2000

01-maj-2000

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Plastics - Injection moulding of test specimens of thermoplastic materials - Part 3: Small plates (ISO 294-3:1996)

Kunststoffe - Spritzgießen von Probekörpern aus Thermoplasten - Teil 3: Kleine Platten (ISO 294-3:1996)

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Plastiques - Moulage par injection des éprouvettes de matériaux thermoplastiques - Partie 3: Plaques de petites dimensions (ISO 294-3:1996)

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Ta slovenski standard je istoveten z: EN ISO 294-3:1998

ICS:

83.080.20 Plastomeri Thermoplastic materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 294-3

July 1998

ICS 83.080.20

Descriptors: see ISO document

English version

Plastics - Injection moulding of test specimens of thermoplastic materials - Part 3: Small plates (ISO 294-3:1996)

Plastiques - Moulage par injection des éprouvettes de matériaux thermoplastiques - Partie 3: Plaques de petites dimensions (ISO 294-3:1996)

Kunststoffe - Spritzgießen von Probekörpern aus Thermoplasten - Teil 3: Kleine Platten (ISO 294-3:1996)

This European Standard was approved by CEN on 12 June 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 294-3:1998

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 January 1999, and conflicting national standards shall be withdrawn at the latest by January 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 294-3:1996 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 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 294-4	1997	Plastics - Injection moulding of test specimens of thermoplastic materials - Part 4: Determination of moulding shrinkage	EN ISO 294-4	1998
ISO 6603-1	1985	Plastics - Determination of multiaxial impact behaviour of rigid plastics - Part 1: Falling dart method	EN ISO 6603-1	1996
ISO 6603-2	1989	Plastics - Determination of multiaxial impact behaviour of rigid plastics - Part 2: Instrumented puncture test	EN ISO 6603-2	1996

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INTERNATIONAL STANDARD

ISO
294-3

First edition
1996-12-15

Plastics — Injection moulding of test specimens of thermoplastic materials —

Part 3:
Small plates
(standards.iteh.ai)

<https://standards.iteh.ai/standards/standard/iso-294-3-2000>
SIST EN ISO 294-3:2000
Plastiques — Moulage par injection des éprouvettes de matériaux
thermoplastiques — iso-294-3-2000

Partie 3: Plaques de petites dimensions



Reference number
ISO 294-3:1996(E)

ISO 294-3:1996(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.

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International Standard ISO 294-3 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

Together with the other parts, this part of ISO 294 cancels and replaces the second edition of ISO 294 (ISO 294:1995) which has been revised to improve the definition of the injection-moulding parameters and has been restructured to specify four types of ISO mould for the production of the basic specimen types required for the acquisition of comparable test data.

Care has been taken to ensure that the ISO moulds described can all be fitted in existing injection-moulding equipment and have interchangeable cavity plates.

ISO 294 consists of the following parts, under the general title *Plastics — Injection moulding of test specimens of thermoplastic materials*:

- *Part 1: General principles, and moulding of multipurpose and bar test specimens*
- *Part 2: Small tensile bars*
- *Part 3: Small plates*
- *Part 4: Determination of moulding shrinkage*

Annexes A to C of this part of ISO 294 are for information only.

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Plastics — Injection moulding of test specimens of thermoplastic materials —

Part 3: Small plates

1 Scope

This part of ISO 294 specifies two two-cavity moulds, the type D1 and D2 ISO moulds, for the injection moulding of small plates measuring 60 mm × 60 mm with a preferred thickness of 1 mm (type D1) or 2 mm (type D2) which can be used for a variety of tests (see annex A). The moulds may additionally be fitted with inserts for studying the effects of weld lines on the mechanical properties (see annex B).

2 Normative references

[SIST EN ISO 294-3:2000](https://standards.iteh.ai/catalog/standards/sist/02dcbdbc-ad38-446e-aa18-b242bdcf776e/sist-en-iso-294-3-2000)

<https://standards.iteh.ai/catalog/standards/sist/02dcbdbc-ad38-446e-aa18-b242bdcf776e/sist-en-iso-294-3-2000>

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 294. 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 294 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 294-1:1996, *Plastics — Injection moulding of test specimens of thermoplastic materials — Part 1: General principles, and moulding of multipurpose and bar test specimens.*

ISO 294-4:—¹⁾, *Plastics — Injection moulding of test specimens of thermoplastic materials — Part 4: Determination of moulding shrinkage.*

ISO 6603-1:1985, *Plastics — Determination of multiaxial impact behaviour of rigid plastics — Part 1: Falling dart method.*

ISO 6603-2:1989, *Plastics — Determination of multiaxial impact behaviour of rigid plastics — Part 2: Instrumented puncture test.*

3 Definitions

See ISO 294-1:1996, clause 3.

1) To be published. (Revision in part of ISO 294:1995)