

INTERNATIONAL STANDARD

ISO
294-2

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Plastics — Injection moulding of test specimens of thermoplastic materials —

Part 2: Small tensile bars

*Plastiques — Moulage par injection des éprouvettes de matériaux
thermoplastiques —*

Partie 2: Barreaux de traction de petites dimensions



Reference number
ISO 294-2:1996(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.

International Standard ISO 294-2 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*

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Plastics — Injection moulding of test specimens of thermoplastic materials —

Part 2:

Small tensile bars

1 Scope

This part of ISO 294 specifies a four-cavity mould, the type C ISO mould, for the injection moulding of small tensile bars measuring $\geq 60 \text{ mm} \times 10 \text{ mm} \times 3 \text{ mm}$ (the type 4 test specimen in ISO 8256:1990).

2 Normative references

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 8256:1990, *Plastics — Determination of tensile-impact strength.*

ISO 11403-3:—¹⁾, *Plastics — Acquisition and presentation of comparable multipoint data — Part 3: Environmental influences on properties.*

3 Definitions

See ISO 294-1:1996, clause 3.

1) To be published.