

Plastics — Determination of Izod impact strength

The European Standard EN ISO 180:1996 has the status of a British Standard

IMPORTANT NOTE. Before reading this method it is essential to read BS 2782-0, *Introduction*, issued separately.

ICS 83.080.01

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Plastics and Rubber Standards Policy Committee (PRM/-) to Technical Committee PRM/21, upon which the following bodies were represented:

- British Plastics Federation
- British Textile Confederation
- Department of the Environment (Building Research Establishment)
- Department of Trade and Industry (National Physical Laboratory)
- Electrical and Electronic Insulation Association (BEAMA Ltd.)
- GAMBICA (BEAMA Ltd.)
- Institute of Materials
- Ministry of Defence
- Packaging and Industrial Films Association
- Pira International
- RAPRA Technology Ltd.

This British Standard, having been prepared under the direction of the Plastics and Rubber Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 September 1993

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This British Standard method has been prepared under the direction of the Plastics and Rubber Standards Policy Committee and is the English language version of EN ISO 180:1996 *Plastics — Determination of Izod impact strength*, published by the European Committee for Standardization (CEN). It is identical with ISO 180:1993, published by the International Organization for Standardization (ISO).

It supersedes BS 2782:Method 350:1984 which is withdrawn.

Cross-references

Publication referred to	Corresponding British Standard
EN ISO 3167:1996	BS EN ISO 3167:1997 <i>Plastics — Multipurpose test specimens</i> BS 2782 <i>Methods of testing plastics</i>
ISO 291:1977	Part 0:1992 <i>Introduction</i> (Appendix A is identical)
ISO 293:1986	Method 901A:1988 <i>Compression moulding test specimens of thermoplastic materials</i> (Identical)
ISO 295:1991	Method 902A:1992 <i>Compression moulding of test specimens of thermosetting materials</i> (Identical)
ISO 1268:1974	Method 920A to 920C:1977 <i>Preparation of glass fibre reinforced, resin bonded, low-pressure laminated plates or panels for test purposes</i> (Identical)
ISO 2557-1:1989	Method 940A:1990 <i>Preparation of test specimens of amorphous thermoplastics in the form of bars with a specified reversion</i> (Identical)
ISO 2557-2:1986	Method 940B:1989 <i>Preparation of test specimens of amorphous thermoplastics with a specified reversion by injection moulding rectangular plates</i> (Identical)
ISO 2602:1980	BS 2846 <i>Guide to statistical interpretation of data</i> Part 2:1981 <i>Estimation of the mean: confidence interval</i> (Identical)

Revisions of ISO 294 and ISO 2818 are currently in preparation. When these are published it is envisaged that they will be implemented as dual-numbered revisions of BS 2782:Method 910A and BS 2782:Method 930A, respectively.

WARNING NOTE. This British Standard, which is identical with ISO 180, does not necessarily detail all the precautions necessary to meet the requirements of the Health and Safety at Work etc. Act 1974. Attention should be paid to any appropriate safety precautions and the method should be operated only by trained personnel.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Plastics — Determination of Izod impact strength

(ISO 180:1993, including Technical Corrigendum 1:1995)

Plastiques — Détermination de la résistance au choc Izod
(ISO 180:1993, Rectificatif Technique 1:1995 inclus)

Kunststoffe — Bestimmung der Izod-Schlagzähigkeit
(ISO 180:1993, einschließlich Technische Korrektur 1:1995)

This European Standard was approved by CEN on 1994-12-14. 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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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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 a 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 June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.