

Plastics — Determination of environmental stress cracking (ESC) — Constant-tensile-stress method

The European Standard EN ISO 6252:1997 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.)
- Ministry of Defence
- Packaging and Industrial Films Association
- Pira International
- Plastics and Rubber Institute
- 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 January 1993

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The following BSI references relate to the work on this standard:
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National foreword

This British Standard has been prepared under the direction of the Plastics and Rubber Standards Policy Committee and is the English language version of EN ISO 6252:1997 *Plastics — Determination of environmental stress cracking (ESC) — Constant tensile stress method* published by the European Committee for Standardization (CEN). It is identical with ISO 6252:1992 published by the International Organization for Standardization (ISO).

Cross-references

International standard	Corresponding British Standard
ISO 150:1980	BS 6900:1987 <i>Specification for raw, refined and boiled linseed oils for paints and varnishes</i> (Identical)
ISO 291:1977	BS 2728 <i>Methods of testing plastics</i> Part 0:1982 <i>Introduction</i> (Appendix A is identical)
ISO 293:1986	Method 901A:1988 <i>Compression moulding test specimens of thermoplastic materials</i> (Identical)
ISO 294:1975	Method 910A:1977 <i>Injection moulding test specimens of thermoplastic materials</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 3167:1983	Method 931A:1988 <i>Preparation and use of multipurpose test specimens</i> (Identical)
ISO 4599:1986	Method 832A:1991 <i>Determination of resistance to environmental stress cracking (ESC) by the bent strip method</i> (Identical)
ISO 4600:1992	Methods 831A to 831B:1993 <i>Determination of environmental stress cracking by the ball or pin impression method</i> (Identical)

The Technical Committee has reviewed the provisions of ISO/R 527, ISO 899 and ISO 2818 to which normative reference is made in the text and has decided that they are acceptable for use in conjunction with this standard.

Method A in ISO 6252 is to be referred to as BS 2782:Method 833A, Method B as Method 833B, and Method C as Method 833C.

WARNING NOTE. This British Standard 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 10, 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.

ICS 83.080

Descriptors: See ISO document

English version

Plastics — Determination of environmental stress cracking (ESC) — Constant-tensile-stress method

(ISO 6252:1992)

Plastiques — Détermination de la fissuration sous contrainte dans un environnement donné (ESC) — Méthode sous contrainte de traction constante
(ISO 6252:1992)

Kunststoffe — Bestimmung der umgebungsbedingten Spannungsrißbildung (ESC) — Zeitstandzugversuch
(ISO 6252:1992)

This European Standard was approved by CEN on 16 October 1997.

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Comité Européen de Normalisation
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