

Methods of testing

Plastics —

Part 8: Other properties —

Method 830A: Determination of the effects of liquid chemicals, including water —

[ISO title: Plastics — Determination of the effects of liquid chemicals, including water]

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

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This British Standard, having been prepared under the direction of the Plastics Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 November 1986

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

This method has been prepared under the direction of the Plastics Standards Committee and is identical with ISO 175-1981 “*Plastics — Determination of the effects of liquid chemicals, including water*”, published by the International Organization for Standardization (ISO).

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International standards	Corresponding British Standards
	BS 2782 Methods of testing plastics
ISO 62:1980	Methods 430A to 430D:1983 Determination of water absorption at 23 °C Determination of water absorption at 23 °C with allowance for water-soluble matter Determination of boiling water absorption Determination of boiling water absorption with allowance for water-soluble matter (Identical)
ISO 291:1977	Part 0:1982 Introduction (Appendix A is identical)
ISO 293:1974	Method 901A:1977 Compression moulding test specimens of thermoplastic materials (identical)
ISO 294:1975	Method 910A:1977 Injection moulding test specimens of thermoplastic materials (Identical)
ISO 295:1974	Method 902A:1977 Compression moulding test specimens of thermosetting materials (Identical)
ISO 1817:1975	BS 903 Methods of testing vulcanized rubber Part A16:1971 The resistance of vulcanized rubber to liquids (Technically equivalent)

The Technical Committee has reviewed the provisions of ISO 412, ISO 2818, ISO 3126, ISO 3205 and IEC Publication 296, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. Related British Standards for ISO 3126 and IEC Publication 296 are BS 2782: Method 1101A:1981 “Measurement of dimensions of pipes” and BS 148:1984 “Specification for unused mineral insulating oils for transformers and switchgear”, respectively.

There is no corresponding British Standard for ISO 2818-1980, but the provisions of BS 2782: Method 930A:1977 “Preparation of test specimens by machining”, which is identical with the 1974 edition of ISO 2818, are acceptable for use in conjunction with this standard.

Additional information. Attention is drawn to the probability that for the immersion or drying of specimens with minimum dimensions greater than 4 mm, i.e. of such sheets, plates, tubes, rods or profiles, periods of 24 h or less for immersion or of 2 h for drying are likely to be inadequate except for specimens for which the effects are only superficial.

Attention is drawn to the fact that, because of duplication of the item letters, care is necessary if making reference to item “a)”, “b)” or “c)” of 4.3.

WARNING NOTE. This British Standard method, which is identical with ISO 175, 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 to iv, pages 1 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.

