

Viscosity and viscometric fixed points of glass —

Part 1: Recommendations for use in the determination of viscosity and viscometric fixed points

[ISO title: Glass — Viscosity and viscometric fixed points —
Part 1: Principles for determining viscosity and viscometric fixed
points]

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Laboratory Apparatus Standards Committee (LBC/-) to Technical Committee LBC/8, upon which the following bodies were represented:

- British Glass Industry Research Association
- Glass Manufacturers' Federation
- Society of Glass Technology

This British Standard, having been prepared under the direction of the Laboratory Apparatus Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1989

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National foreword

This Part of BS 7034 has been prepared under the direction of the Laboratory Apparatus Standards Committee. It is identical with ISO 7884-1:1987 “Glass — Viscosity and viscometric fixed points — Part 1: Principles for determining viscosity and viscometric fixed points”, prepared by Subcommittee 5 of ISO/TC 48, Laboratory glassware and related apparatus, of the International Organization for Standardization (ISO), with the active participation and approval of the United Kingdom.

The other Parts of BS 7034 are as follows.

- *Part 2:1988: Method for the determination of viscosity by rotation viscometers* (identical with ISO 7884-2:1987);
- *Part 3:1988: Method for the determination of viscosity by fibre elongation viscometer* (identical with ISO 7884-3:1987);
- *Part 4:1988: Method for the determination of viscosity by beam bending* (identical with ISO 7884-4:1987);
- *Part 5:1988: Method for the determination of working point by sinking bar viscometer* (identical with ISO 7884-5:1987);
- *Part 6:1988: Method for the determination of softening point* (identical with ISO 7884-6:1987);
- *Part 7:1988: Method for the determination of annealing point and strain point by beam bending* (identical with ISO 7884-7:1987);
- *Part 8:1988: Method for the determination of (dilatometric) transformation temperature* (identical with ISO 7884-8:1987);

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 “part of ISO 7884” appear, referring to this standard, they should be read as “Part of BS 7034”.

Where appropriate, the word “shall” should be read as “should” in order to align with British Standard forms of expression used when drafting recommendations.

Cross-reference.¹⁾ The Technical Committee has reviewed the provisions of IEC 584-1, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. The references in 5.3 to IEC 584-1 are only informative references, but thermocouples complying with the following Part of BS 4937 “*International thermocouple reference tables*” are suitable.

- *Part 7:1974: Platinum-30 % rhodium/platinum-6 % rhodium thermocouples. Type B.*

Manufacturing tolerances for type B thermocouples are given in BS 4937-20:1983 “*Specification for thermocouple tolerances*”.

¹⁾ See also the second paragraph.

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 8, 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.