

Methods of testing

Plastics —

Part 1: Thermal properties —

**Method 124A: Determination of the
softening point of synthetic resin (ring
and ball method)**

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

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 Steel Industry
- British Telecommunications plc
- British Textile Confederation
- Department of Trade and Industry (National Physical Laboratory)
- EEA (The Association of Electronics, Telecommunications and Business Equipment Industries)
- Electrical and Electronic Insulation Association (BEAMA Ltd.)
- Electrical Installation Equipment Manufacturers' Association (BEAMA Ltd.)
- GAMBICA (BEAMA Ltd.)
- Ministry of Defence
- Packaging and Industrial Films Association
- PIRA
- Plastic Industrial Containers Association
- Plastics and Rubber Institute
- RAPRA Technology Ltd.
- Yarsley Technical Centre 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 31 January 1992

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Foreword

This method has been prepared under the direction of the Plastics and Rubber Standards Policy Committee. It is a revision of method 103A of BS 2782:1970 which is deleted by amendment.

It describes a procedure for measuring the softening point of synthetic resins by the ring and ball method in which a steel ball penetrates a disc of resin held in a ring. Because many synthetic resins do not change from the solid state to the liquid state at any definite temperature, but gradually become softer and less viscous as the temperature rises, it is necessary to determine the softening point by a fixed, arbitrary and closely defined method if the results obtained are to be comparable.

The method uses the same apparatus and test procedure as that given for bitumen in BS 2000-58.

WARNING NOTE. This method does not necessarily detail all 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.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, 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.