

Cellulosic papers for electrical purposes —

Part 3: Specification for individual materials —

Section 3.2 Capacitor paper

[IEC title: Specification for cellulosic papers for electrical
purposes — Part 3: Specifications for individual materials —
Sheet 2: Capacitor paper]

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the General Electrotechnical Engineering Standards Committee (GEL/-) to Technical Committee GEL/16, upon which the following bodies were represented:

- Adhesive Tape Manufacturers' Association
- BEAMA Transmission and Distribution Association
- British Industrial Ceramic Manufacturers' Association
- British Paper and Board Industry Federation (PIF)
- British Plastics Federation
- British Telecommunications
- Department of Trade and Industry (British Calibration Service)
- Electrical and Electronic Insulation Association (BEAMA)
- Electrical Installation Equipment Manufacturers' Association (BEAMA)
- Electricity Supply Industry in England and Wales
- Electronic Engineering Association
- ERA Technology Ltd.
- Ministry of Defence
- Rotating Electrical Machines Association (BEAMA)
- Rubber and Plastics Research Association of Great Britain
- Telecommunication Engineering and Manufacturing Association (TEMA)

This British Standard, having been prepared under the direction of the General Electrotechnical Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 July 1985

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National foreword

This Section of BS 5626 has been prepared under the direction of the General Electrotechnical Engineering Standards Committee. It is identical with IEC Publication 554-3-2:1983 “*Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 2: Capacitor paper*” published by the International Electrotechnical Commission (IEC).

Other Parts and Sections of BS 5626 are given under “Cross-references” in this national foreword.

BS 5626 now supersedes BS 698:1956, BS 4295:1968 and BS 5068:1974 which are withdrawn.

WARNING NOTE. This British Standard calls for the use of a substance that may be injurious to health, i.e. trichlordiphenyl (see Table I), if adequate precautions are not taken. It refers only to the technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

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.

In the introduction, the words “This standard is one of a series which deals with” should be read as “BS 5626 deals with”. Similarly, the words “The series consists of three parts” should be read as “BS 5626 has the following three Parts”. Also, in the introduction, for “Sheet” read “Section”. In clause 1 “Scope”, the words “This sheet” should be read as “This Section of BS 5626”.

Where the words “shall be subject to agreement between supplier and purchaser” appear, e.g. in the “Remarks” column of Table I against “Ash”, this should be taken to indicate that the subject matter concerned is not inherently part of the requirements of the standard, but should be included in the purchase contract.

The use of polychlorinated biphenyls is covered by EEC Directive 76/769/EEC and subsequent Directives amending it. These Directives do not prohibit the use of polychlorinated biphenyls for primary and intermediate products for further processing into other products, which are not prohibited under these EEC Directives.

Cross-references

International Standards ^a	Corresponding British Standards
IEC 554-1:1977	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 1:1979 <i>Definitions and general requirements</i> (Identical)
IEC 554-2:1977	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 2:1979 <i>Methods of test</i> (Identical)
IEC 554-3-1:1979 (also referred to as Sheet 1 of Part 3)	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 3 <i>Specifications for individual materials</i> Section 3.1:1981 <i>General purpose electrical paper</i> (Identical)
IEC 554-3-3:1982 (also referred to as Sheet 3 of Part 3)	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 3 <i>Specifications for individual materials</i> Section 3.3:1982 <i>Crêpe paper</i> (Identical)
IEC 554-3-4:1980 (also referred to as Sheet 4 of Part 3)	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 3 <i>Specification for individual materials</i> Section 3.4:1980 <i>Electrolytic capacitor paper</i> (Identical)

^a Undated in the text.

International Standards ^a	Corresponding British Standards
ISO 186:1977 ^b	BS 3430:1980 <i>Method for sampling for testing paper and board</i> (Identical)

^a Undated in the text.

^b Published by the International Organization for Standardization (ISO).

Additional information. It should be noted that in Table I, as there is no suitable method given in BS 5626-2, the required test method for the determination of the dissipation factor for impregnated papers is given in the “Remarks” column.

The requirements specified in the “Remarks” column for thickness, electric strength d.c., dissipation factor and, as notes, for conducting paths, are to be regarded as requirements in this British Standard.

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 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.