

Cellulosic papers for electrical purposes —

Part 1: Definitions and general requirements

UDC 621.315.614.6:676.254

Cooperating organizations

The General Electrotechnical Engineering Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

- Associated Offices Technical Committee
- British Approvals Service for Electric Cables Ltd
- British Electrical and Allied Manufacturers' Association (BEAMA)
- British Radio Equipment Manufacturers' Association
- British Steel Corporation
- Department of Energy — Electricity
- Electric Cable Makers' Confederation
- Electrical Contractors' Association
- Electrical Contractors' Association of Scotland
- Electrical, Electronic, Telecommunications Plumbing Union
- Electrical Research Association*
- Electricity Supply Industry in England and Wales*
- Electronic Components Industry Federation*
- Engineering Equipment Users' Association
- Health and Safety Executive
- Home Office
- Institution of Electrical Engineers
- Ministry of Defence*
- National Coal Board
- Oil Companies Materials Association
- Post Office*
- Telecommunication Engineering and Manufacturing Association (TEMA)*

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Adhesive Tape Manufacturers' Association
- British Paper and Board Industry Federation (PIF)
- British Plastics Federation
- Department of Industry — British Calibration Service
- Department of Industry — National Physical Laboratory
- Electrical and Electronic and Insulation Association (BEAMA)
- Rotating Electrical Machines Association (BEAMA)
- Transmission and Distribution Association (BEAMA)

This British Standard, having been prepared under the direction of the General Electrotechnical Engineering Standards Committee, was published under the authority of the Executive Board on 31 January 1979

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The following BSI references relate to the work on this standard:
Committee reference GEL/16
Draft for comment 77/31025 DC

ISBN 0 580 10616 0

Amendments issued since publication

Amd. No.	Date of issue	Comments
5569	March 1987	Indicated by a sideline in the margin

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Introduction	1
1 Scope	1
2 Definitions	1
3 Designation	2
4 General requirements	2
5 Thickness	2
6 Conditions of supply	2
Table I	3
Publications referred to	Inside back cover

National foreword

This Part of this British Standard is identical with IEC Publication 554-1 “Specification for cellulosic papers for electrical purposes” Part 1:1977 “Definitions and general requirements” including Amendment No. 1 published in 1983. It has been prepared under the direction of the General Electrotechnical Engineering Standards Committee.

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

It is the intention that BS 5626 will ultimately replace BS 698:1956 “Papers for electrical purposes” and BS 4295:1968 “Capacitor tissue paper”. A decision on withdrawal of those standards will be taken at an appropriate stage in the publication, as Part 3 of BS 5626, of the separate specification Sheets for the individual materials.

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

In the Introduction, the words “This standard is one of a series which deals with” should be interpreted as “BS 5626 deals with”; similarly, “This series will have the three following parts” should be interpreted as “BS 5626 will have the three following Parts”. In clause 1 (“Scope”), the words “This part of the standard” should be interpreted as “This Part of BS 5626” or “This Part of this British Standard”.

In connection with the definition “Substance (grammage)”, there is a movement within the UK paper industry towards adoption of the ISO term “grammage”.

Cross-references

International Standard ^a	Corresponding British Standard
IEC 554-2:1977	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 2:1979 <i>Methods of test</i> (Identical)
Part 3 of IEC 554 (To be published, in a continuing project, as separate specification Sheets each dealing with a specific material or group of materials; some Sheets are in course of preparation and others under consideration.)	BS 5626 <i>Cellulosic papers for electrical purposes</i> Part 3 <i>Specifications for individual materials</i> (provisional title) (It is intended to adopt each IEC Sheet as a dual-numbered Section of Part 3 of BS 5626.)

^a Undated in the text.

NOTE *Textual errors.* When adopting the text of the International Standard, the errors listed below were noticed. They have been reported to the International Electrotechnical Commission in a proposal to amend the text of the International Standard.

- Clause 5, line 1: “micrometers” should be read as “micrometres”.
- Table I, general heading to columns 6 and 7, and asterisked footnote to Table I. “µm/Pa.s” should be read as “µm/(Pa.s)”.
- Table I, column 7 (“Air permeability. Description”): “> 0.05... ≤ 5.0” should be read as “> 0.05 ... ≤ 0.5”.