

Specification for plastic films for electrical purposes —

Part 3: Specifications for individual materials —

Sheet 2: Requirements for balanced biaxially oriented polyethylene terephthalate (PET) films used for electrical insulation

The European Standard EN 60674-3-2:1998 has the status of a
British Standard

ICS 29.035.20

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee GEL/15, Insulating material, to Subcommittee GEL/15/3, Material specifications, upon which the following bodies were represented:

- Adhesive Tape Manufacturers' Association
- BEAMA Capacitor Manufacturers' Association
- British Rubber Manufacturers' Association Ltd.
- Covered Conductors Association
- Department of Trade and Industry (National Physical Laboratory)
- Diamond Fibre Co Limited
- ERA Technology Ltd.
- Mica Trade Club
- Ministry of Defence
- Paper Federation of Great Britain
- Royal Society of Chemistry

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 July 1995

© BSI 05-1999

The following BSI references relate to the work on this standard:
Committee reference GEL/15
Special announcement in *BSI News* April 1995

ISBN 0 580 24330 3

Amendments issued since publication

Amd. No.	Date	Comments
10107	October 1998	New front cover and addition of European title page and foreword, and consequent changes to national foreword

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
1 General	3
2 Designation	3
3 General requirements	3
4 Dimensions	3
5 Properties	4
6 Roll characteristics for all types	6
Annex ZA (normative) Normative references to international publications with their corresponding European publications	7
Table 1 — Property requirements for all types	4
Table 2 — Properties dependent on thickness	5
Table 3 — Electric strength (a.c. test) for all types	5
Table 4 — Electric strength (d.c. test) type 2 only	5
Table 5 — Number of faults counted	5
Table 6 — Windability	6
Table 7 — Maximum permissible number of joins or breaks per roll	6
Table 8 — Film width	6
List of references	Inside back cover

National foreword

This British Standard has been prepared by Subcommittee GEL/15/3 and is the English language version of EN 60674-3-2 *Specification for plastic films for electrical purposes — Part 3: Specifications for individual materials — Sheet 2: Requirements for balanced biaxially oriented polyethylene terephthalate (PET) films used for electrical insulation*, published by the European Committee for Standardization (CEN). It is identical with IEC 60674-3-2:1992, published by the International Electrotechnical Commission (IEC).

Cross-references

Publication referred to	Corresponding British Standard
IEC 674-1:1980	BS EN 60674-1:1998 <i>Specification for plastic films for electrical purposes — Part 1: Definitions and general requirements</i>
IEC 674-2:1998	BS EN 60674-2:1998 <i>Specification for plastic films for electrical purposes — Part 2: Methods of test</i>
IEC 757:1983	BS 7645:1993 <i>Code for designation of colours</i>

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 and ii, the EN title page, pages 2 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.

ICS 29.035.20

Descriptors: Electrical insulating materials, solid electrical insulating materials, insulating films, plastic films, polyethylene terephthalate, specifications

English version

Specification for plastic films for electrical purposes
Part 3: Specifications for individual materials
Sheet 2: Requirements for balanced biaxially oriented
polyethylene terephthalate (PET) films used for electrical
insulation

(IEC 60674-3-2:1992)

Spécification pour les films en matière
plastique à usages électriques
Partie 3: Spécifications pour matériaux
particuliers
Feuille 2: Prescriptions pour les films de
polyéthylène-téréphtalate (PET), à orientation
biaxe équilibrée, utilisés dans l'isolation
électrique
(CEI 60674-3-2:1992)

Bestimmung für Isolierfolien für
elektrotechnische Zwecke
Teil 3: Anforderungen für einzelne Werkstoffe
Blatt 2: Anforderungen an isotrop biaxial
orientierte
Polyethylenterephthalat-(PET)-Folien zur
elektrischen Isolierung
(IEC 60674-3-2:1992)

This European Standard was approved by CENELEC on 1998-04-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

© 1998 CENELEC — All rights of exploitation in any form and by any means reserved worldwide for CENELEC members.