



BSI Standards Publication

Plastic films for electrical purposes

Part 3: Specifications for individual materials — Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation (IEC 60674-3-8:2011)

National foreword

This British Standard is the UK implementation of EN 60674-3-8:2011+A1:2017. It is identical to IEC 60674-3-8:2011, incorporating amendment 1:2016. It supersedes BS EN 60674-3-8:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/15, Solid electrical insulating materials.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
31 July 2017	Implementation of IEC amendment 1:2016 with CENELEC endorsement A1:2017: Table 3 amended

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Films plastiques à usages électriques -
Partie 3: Spécifications pour matériaux
particuliers -
Feuille 8: Films de polynaphtalate
d'éthylène (PEN) à orientation bi-axiale
équilibrée, utilisés dans l'isolation
électrique
(CEI 60674-3-8:2011)

Isolierfolien für elektrotechnische Zwecke
– Teil 3: Bestimmungen für einzelne
Werkstoffe – Blatt 8: Isotrop biaxial
orientierte Polyethylenaphthalat-(PEN)-
Folien zur elektrischen Isolierung
(IEC 60674-3-8:2011)

This European Standard was approved by CENELEC on 2011-08-17. 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.

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CENELEC

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

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Foreword

The text of document 15/631/FDIS, future edition 1 of IEC 60674-3-8, prepared by IEC TC 15, Solid electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60674-3-8 on 2011-08-17.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2012-05-17
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2014-08-17

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60674-3-8:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A1

The text of document 15/738/CDV, future IEC 60674-3-8:2011/A1, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60674-3-8:2011/A1:2017.

The following dates are fixed:

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- latest date by which the national standards conflicting with
the document have to be withdrawn (dow) 2020-03-31

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Endorsement notice

The text of the International Standard IEC 60674-3-8:2011/A1:2016 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-66	1994	Environmental testing - Part 2-66: Test methods - Test Cx: Damp heat, steady state (unsaturated pressurized vapour)	EN 60068-2-66	1994
IEC 60216-5 + corr. December	2008 2009	Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative thermal endurance index (RTE) of an insulating material	EN 60216-5	2008
IEC 60674-1	1980	Specification for plastic films for electrical purposes - Part 1: Definitions and general requirements	EN 60674-1	1998
IEC 60674-2 + corr. November	1988 1995	Specification for plastic films for electrical purposes - Part 2: Methods of test	EN 60674-2	1998
ISO 11357-3	1999	Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization	-	-