
Plastične folije za električne namene - 3. del: Specifikacije za posamezne materiale - 8. list: Simetrično dvoosno orientirane polietilen naftalatne (PEN) folije za električno izolacijo

Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation

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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

Ta slovenski standard je istoveten z: EN 60674-3-8:2011

ICS:

29.035.20 Plastični in gumeni izolacijski materiali Plastics and rubber insulating materials

SIST EN 60674-3-8:2011

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60674-3-8

August 2011

ICS 29.035.20

English version

**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)**

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)

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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.

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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 | - | - |

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Edition 1.0 2011-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Plastic films for electrical purposes –
Part 3: Specifications for individual materials – Sheet 8: Balanced biaxially
oriented polyethylene naphthalate (PEN) films used for electrical insulation**

**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**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PLASTIC FILMS FOR ELECTRICAL PURPOSES –

**Part 3: Specifications for individual materials –
Sheet 8: Balanced biaxially oriented polyethylene
naphthalate (PEN) films used for electrical insulation**

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International Standard IEC 60674-3-8 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

The text of this standard is based on the following documents:

| FDIS | Report on voting |
|-------------|------------------|
| 15/631/FDIS | 15/643/RVD |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.