



SLOVENSKI STANDARD
SIST EN 60674-3-8:2011/A1:2017
01-junij-2017

Plastične folije za električne namene - 3. del: Specifikacije za posamezne materiale - 8. list: Simetrično dvoosno orientirane polietilen naftalatne (PEN) folije za električno izolacijo - Dopolnilo A1 (IEC 60674-3-8:2011/A1:2016)

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/A1:2016)

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Ta slovenski standard je istoveten z: EN 60674-3-8:2011/A1:2017

ICS:

29.035.20 Plastični in gumeni izolacijski materiali Plastics and rubber insulating materials

SIST EN 60674-3-8:2011/A1:2017 en

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EUROPEAN STANDARD

EN 60674-3-8:2011/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

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/A1:2016)

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
(IEC 60674-3-8:2011/A1:2016)

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/A1:2016)

This amendment A1 modifies the European Standard EN 60674-3-8:2011; it was approved by CENELEC on 2016-12-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60674-3-8:2011/A1:2017**European foreword**

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:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-09-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-03-31

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



INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**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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FOREWORD

This amendment has been prepared by IEC technical committee 15: Solid electrical insulating materials.

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

CDV	Report on voting
15/738/CDV	15/761/RVC

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

7.2 Properties dependent on thickness

Table 3 – Electric strength (a.c. test) for all types

Replace the existing Table 3 by the following new Table 3:

Table 3 – Electric strength (a.c. test) for all types
(standards.iteh.ai)

Nominal thickness mm	Minimum electric strength V/μm		IEC 60674- 2 Test method Subclause
	23 °C	150 °C	
6	-	-	18.1 Using 6 mm diameter electrodes
9	-	-	
12	-	-	
16	290 ^a	230 ^c	
20	260 ^a	190 ^c	
25	235 ^a	170 ^c	
38	190 ^a	140 ^c	
50	160 ^a	120 ^c	
75	125 ^a	100 ^c	
100	100 ^a	80 ^c	
125	80 ^b	70 ^c	
188	65 ^b	50 ^c	
250	60 ^b	40 ^c	

^a in air.
^b in mineral transformer oil.
^c in silicone transformer oil.