



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60674-3-1:1999**

ICS 29.035.20

**PLASTIC FILMS FOR ELECTRICAL  
PURPOSES. PART 3: SPECIFICATIONS FOR  
INDIVIDUAL MATERIALS. SHEET 1:  
BIAXIALLY ORIENTED POLYPROPYLENE (PP)  
FILM FOR CAPACITORS (IEC 60674-3-1:1998)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60674-3-1**

April 1998

ICS 29.035.20

Descriptors: Electrical insulating materials, solid electrical insulating materials, insulating films, plastic sheets, polypropylene, capacitors, designation, classifications, dimensions, physical properties, dielectric strength, winding tests, labelling

English version

**Plastic films for electrical purposes**  
**Part 3: Specifications for individual materials**  
**Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors**  
**(IEC 60674-3-1:1998)**

Films plastiques à usages électriques  
Partie 3: Spécifications pour matériaux  
particuliers  
Feuille 1: Films de polypropylène  
biorienté (PP) pour condensateurs  
(CEI 60674-3-1:1998)

Isolierfolien für elektrotechnische  
Zwecke  
Teil 3: Anforderungen für einzelne  
Werkstoffe  
Blatt 1: Biaxial orientierte  
Polypropylen-(PP)-Folien für  
Kondensatoren  
(IEC 60674-3-1:1998)

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**

### **Foreword**

The text of document 15C/862/FDIS, future edition 1 of IEC 60674-3-1, prepared by SC 15C, Specifications, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60674-3-1 on 1998-04-01.

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) 1999-01-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2001-01-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annex ZA is normative.

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 60674-3-1:1998 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**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 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	Part 2: Methods of test	EN 60674-2	1998
IEC 61074	1991	Determination of heats and temperatures of melting and crystallization of electrical insulating materials by differential scanning calorimetry	EN 61074	1993
ISO 534	1988	Paper and board - Determination of thickness and apparent bulk density or apparent sheet density	-	-



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