

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 60674-3-1:2021 sisaldab Euroopa standardi EN IEC 60674-3-1:2021 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 60674-3-1:2021 consists of the English text of the European standard EN IEC 60674-3-1:2021.
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ICS 29.035.20

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English Version

**Plastic films for electrical purposes - Part 3: Specifications for
individual materials - Sheet 1: Biaxially oriented polypropylene
(PP) film for capacitors
(IEC 60674-3-1:2021)**

Films plastiques à usages électriques - Partie 3:
Spécifications pour matériaux particuliers - Feuille 1: Films
de polypropylène biorienté (PP) pour condensateurs
(IEC 60674-3-1:2021)

Isolierfolien für elektrotechnische Zwecke - Teil 3:
Anforderungen für einzelne Werkstoffe - Blatt 1: Biaxial
orientierte Polypropylen-(PP)-Folien für Kondensatoren
(IEC 60674-3-1:2021)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 15/909/CDV, future edition 2 of IEC 60674-3-1, prepared by IEC/TC 15 “Solid electrical insulating materials” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60674-3-1:2021.

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) 2022-06-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-09-29

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<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	2016	Specification for plastic films for electrical purposes - Part 2: Methods of test	EN 60674-2	2017

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Plastic films for electrical purposes –
Part 3: Specifications for individual materials – Sheet 1: Biaxially oriented
polypropylene (PP) films for capacitors**

**Films plastiques à usages électriques –
Partie 3: Spécifications pour matériaux particuliers – Feuille 1: Films de
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INTERNATIONAL STANDARD

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INTERNATIONALE

ICS 29.035.20

ISBN 978-2-8322-1017-4

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PLASTIC FILMS FOR ELECTRICAL PURPOSES –**Part 3: Specifications for individual materials –
Sheet 1: Biaxially oriented polypropylene (PP) films for capacitors**

FOREWORD

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IEC 60674-3-1 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

This second edition cancels and replaces the first edition published in 1998 and Amendment 1:2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) this document has been completely revised editorially and technically and included in the IEC 60674 series of standards;
- b) the test methods have been updated to reflect today's state of the art.

The text of this International Standard is based on the following documents:

Draft	Report on voting
15/909/CDV	15/925/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 60674 series, published under the general title *Plastic films for electrical purposes*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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INTRODUCTION

This standard is one of a series which deals with plastic films for electrical purposes. The series will consist of three parts:

Part 1: Definitions and general requirements (IEC 60674-1);

Part 2: Methods of test (IEC 60674-2);

Part 3: Specifications for individual materials (IEC 60674-3).

This standard contains one of the sheets comprising Part 3, as follows:

Sheet 1: Biaxially oriented (PP) polypropylene films for capacitors.