

Specification for plastic films for electrical purposes -
Part 2: Methods of test

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60674-2:2017 sisaldab Euroopa standardi EN 60674-2:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 60674-2:2017 consists of the English text of the European standard EN 60674-2:2017.
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English Version

**Specification for plastic films for electrical purposes -
Part 2: Methods of test
(IEC 60674-2:2016)**

Spécification pour les films en matière plastique à usages
électriques - Partie 2: Méthodes d'essai
(IEC 60674-2:2016)

Bestimmung für Isolierfolien für elektrotechnische Zwecke -
Teil 2: Prüfverfahren
(IEC 60674-2:2016)

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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

European foreword

The text of document 15/742/CDV, future edition 2 of IEC 60674-2, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60674-2:2017.

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) 2017-09-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-12-23

This document supersedes EN 60674-2:1998.

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Endorsement notice

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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

NOTE 1 When 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 60212	2010	Standard conditions for use prior to and during the testing of solid electrical insulating materials	EN 60212	2011
IEC 60216	series	Electrical insulating materials - Thermal endurance properties	EN 60216	series
IEC 60243-1	2013	Electric strength of insulating materials - Test methods - Part 1: Tests at power frequencies	EN 60243-1	2013
IEC 60243-2	-	Electric strength of insulating materials - Test methods - Part 2: Additional requirements for tests using direct voltage	EN 60243-2	-
IEC 60250	1969	Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths	-	-
IEC 60343	-	Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges	EN 60343	-
IEC 60394-2	1972	Varnished fabrics for electrical purposes - Part 2: Methods of test	-	-
IEC 60426	-	Electrical insulating materials - Determination of electrolytic corrosion caused by insulating materials - Test methods	EN 60426	-
IEC 60454-2	2007	Pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test	EN 60454-2	2007

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60589	-	Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids	HD 381 S1	-
IEC/TR 60648	-	Method of test for coefficients of friction of plastic film and sheeting for use as electrical insulation	-	-
IEC 60674-3	series	Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials	EN 60674-3	series
IEC 62631-3-1	-	Dielectric and resistive properties of solid insulating materials - Part 3-1 Determination of resistive properties (DC methods) - Volume resistance and volume resistivity, general method	EN 62631-3-1	-
IEC 62631-3-2	-	Dielectric and resistive properties of solid insulating materials - Part 3-2 Determination of resistive properties (DC methods) - Surface resistance and surface resistivity	EN 62631-3-2	-
ISO 527-3	1995	Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets	EN ISO 527-3	1995
ISO 534	-	Paper and board - Determination of thickness, density and specific volume	EN ISO 534	-
ISO 1183-1	-	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method	EN ISO 1183-1	-
ISO 4591	1992	Plastics - Film and sheeting - Determination of average thickness of a sample, and average thickness and yield of a roll, by gravimetric techniques (gravimetric thickness)	-	-
ISO 4592	-	Plastics - Film and sheeting - Determination of length and width	-	-
ISO 4593	-	Plastics - Film and sheeting - Determination of thickness by mechanical scanning	-	-
ISO 6383-1	-	Plastics - Film and sheeting - Determination of tear resistance - Part 1: Trouser tear method	EN ISO 6383-1	-
ISO 6383-2	-	Plastics - Film and sheeting - Determination of tear resistance - Part 2: Elmendorf method	EN ISO 6383-2	-
ISO 11357-3	2011	Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization	EN ISO 11357-3	2013

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INTRODUCTION

This document is one of a series which deals with plastic films for electrical purposes. The series consists 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 (all parts))