

کمیته ملی برق و الکترونیک ایران  
Iranian National Electrotechnical Committee



نشست تاسیس کمیته فنی

INEC TC 15 متناظر با IEC TC 15

“Solid electrical insulating materials”

«مواد عایق الکتریکی جامد»

مکان: جلسه مجازی (سامانه جلسات آنلاین سازمان)

۱۳۹۹/۰۴/۲۹

« بسمه تعالی »

## کمیته ملی برق و الکترونیک ایران (INEC)

دستور کار: نشست تاسیس کمیته فنی INEC TC 15

زمان: روز یکشنبه مورخ ۹۹/۰۴/۲۹ از ساعت ۱۰:۰۰ الی ۱۲:۰۰

مکان: جلسه مجازی (جهت دریافت لینک شرکت در جلسه با شماره تلفن ۰۲۱-۸۸۶۵۴۰۶۰ تماس حاصل شود).

ردیف	ساعت	موضوع
۱	۱۰:۰۰ الی ۱۰:۰۵	تلاوت قرآن مجید
۲	۱۰:۲۰ الی ۱۰:۰۵	خوشامدگویی
۳	۱۰:۲۰ الی ۱۰:۳۰	الف- اهداف، وظایف، ساختار و فعالیت های سازمان بین المللی الکتروتکنیک (IEC) و کمیته ملی برق و الکترونیک ایران (INEC) ب- ساختار و فعالیت های کمیته فنی INEC TC 15
۴	۱۰:۳۰ الی ۱۱:۵۵	انتخاب هیات رئیسه
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## TC 15

### Solid electrical insulating materials Scope of TC 15

#### **Scope:**

To prepare international standards including specifications for solid electrical insulating materials alone and in simple combinations. This includes coatings which are applied in the liquid state but cure to solids, such as varnishes and coatings.

Note: TC15 strictly understands "simple combination" as insulation materials (e.g. combined flexible materials according to IEC 60626) and not as combinations of insulation materials due to the manufacturing process of electrical devices. This does not exclude that during testing it might be necessary to include electrodes on specimens of material.

TC15 establishes definitions, general requirements and specification sheets for individual types of materials. The standards include test methods and guidance where these are required for the specifications.

#### Officers of TC 15

- **Chairman: Mr Bernhard Klaussner (DE)**
- **Secretary: Mr John Gauthier (US)**
- **Secretariat: United States of America**
- **Participating countries: 18**
- **Observer Countries: 20**

#### Structure of TC 15


##### **Working Groups**

WG 5	Flexible insulating sleeving for electrical purposes
WG 6	Rigid fibrous reinforced laminates for electrical purposes
WG 7	Resins and varnishes

##### **Maintenance Teams**

MT 3	Plastic films
MT 10	Combined flexible materials
MT 11	Mica products
MT 14	Pressboard and related material
MT 15	Cellulosic paper products
MT 16	Miscellaneous

## Members of TC 15

 Country	Country Code	P/O Status	IEC Membership
Austria	AT	P-Member	Full Member
Belgium	BE	O-Member	Full Member
Bulgaria	BG	O-Member	Full Member
Canada	CA	O-Member	Full Member
China	CN	P-Member	Full Member
Croatia	HR	O-Member	Full Member
Czech Republic	CZ	P-Member	Full Member
Denmark	DK	P-Member	Full Member
Finland	FI	P-Member	Full Member
France	FR	P-Member	Full Member
Germany	DE	P-Member	Full Member
Greece	GR	O-Member	Full Member
Hungary	HU	O-Member	Full Member
India	IN	O-Member	Full Member
Ireland	IE	O-Member	Full Member
Italy	IT	P-Member	Full Member
Japan	JP	P-Member	Full Member
Korea, Republic of	KR	P-Member	Full Member
Luxembourg	LU	P-Member	Full Member
Netherlands	NL	P-Member	Full Member
Norway	NO	O-Member	Full Member
Oman	OM	O-Member	Full Member
Poland	PL	P-Member	Full Member
Portugal	PT	O-Member	Full Member
Romania	RO	P-Member	Full Member
Russian Federation	RU	O-Member	Full Member
Serbia	RS	O-Member	Full Member
Slovakia	SK	O-Member	Full Member
Slovenia	SI	O-Member	Full Member
South Africa	ZA	O-Member	Full Member
Spain	ES	O-Member	Full Member

Sweden	SE	P-Member	Full Member
Switzerland	CH	P-Member	Full Member
Thailand	TH	O-Member	Full Member
Ukraine	UA	O-Member	Full Member
United Kingdom	GB	P-Member	Full Member
United States of America	US	P-Member	Full Member

### **TC 15 Liaisons**

TC 82	Solar photovoltaic energy systems
TC 112	Evaluation and qualification of electrical insulating materials and systems
ISO/TC 6	Paper, board and pulps
ISO/TC 20/SC 1	Aerospace electrical requirements
ISO/TC 61/SC 11	Products

## **Publications by IEC TC 15**

Reference	Edition	Date	Title	Language
IEC 60370:2017	Edition 2.0	2017-12-13	Test procedure for thermal endurance of insulating resins and varnishes for impregnation purposes - Electric breakdown methods	EN-FR
IEC 60371-1:2003	Edition 3.0	2003-04-09	Specification for insulating materials based on mica - Part 1: Definitions and general requirements	EN-FR, ES
IEC 60371-2:2004	Edition 3.0	2004-06-23	Specification for insulating materials based on mica - Part 2: Methods of test	EN-FR
IEC 60371-3-1:2006	Edition 3.0	2006-06-13	Specification for insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 1: Commutator separators and materials	EN-FR, EN, ES
IEC 60371-3-2:2005	Edition 2.0	2005-10-24	Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 2: Mica paper	EN-FR, EN
IEC 60371-3-3:1983	Edition 1.0	1983-01-01	Specification for insulating materials based on mica. Part 3: Specifications for individual materials. Sheet 3: Rigid mica materials for heating equipment	EN-FR, ES

IEC 60371-3-4:1992	Edition 1.0	1992-11-20	Specification for insulating materials based on mica - Part 3: Specification for individual materials - Sheet 4: Polyester film-backed mica paper with a B-stage epoxy resin binder	EN-FR, ES
IEC 60371-3-4:1992/AMD1:2006	Edition 1.0	2006-09-27	Amendment 1 - Specification for insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 4: Polyester film-backed mica paper with a B-stage epoxy resin binder	EN-FR, EN
IEC 60371-3-5:2005	Edition 2.0	2005-11-21	Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 5: Glass-backed mica paper with an epoxy resin binder for post-impregnation (VPI)	EN-FR, EN
IEC 60371-3-6:1992	Edition 1.0	1992-11-30	Specification for insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 6: Glass-backed mica paper with a B-stage epoxy resin binder	EN-FR, ES
IEC 60371-3-6:1992/AMD1:2006	Edition 1.0	2006-09-27	Amendment 1 - Specification for insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 6: Glass-backed mica paper with a B-stage epoxy resin binder	EN-FR, EN
IEC 60371-3-7:1995	Edition 1.0	1995-08-30	Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 7: Polyester film mica paper with an epoxy resin binder for single conductor taping	EN-FR, ES
IEC 60371-3-7:1995/COR1:1995	Edition 1.0	1995-08-31	Corrigendum 1 - Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 7: Polyester film mica paper with an epoxy resin binder for single conductor taping	EN-FR
IEC 60371-3-7:1995/AMD1:2006	Edition 1.0	2006-09-27	Amendment 1 - Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 7: Polyester film mica paper with an epoxy resin binder for single conductor taping	EN-FR, EN
IEC 60371-3-8:1995	Edition 1.0	1995-08-30	Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 8: Mica paper tapes for flame-resistant security cables	EN-FR, ES

IEC 60371-3-8:1995/COR1:1995	Edition 1.0	1995-08-31	Corrigendum 1 - Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 8: Mica paper tapes for flame-resistant security cables	EN-FR
IEC 60371-3-8:1995/AMD1:2007	Edition 1.0	2007-04-11	Amendment 1 - Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 8: Mica paper tapes for flame-resistant security cables	EN-FR, EN, ES
IEC 60371-3-9:1995	Edition 1.0	1995-08-30	Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 9: Moulding micanite	EN-FR, ES
IEC 60371-3-9:1995/COR1:1995	Edition 1.0	1995-08-30	Corrigendum 1 - Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 9: Moulding micanite	EN-FR
IEC 60371-3-9:1995/AMD1:2007	Edition 1.0	2007-04-11	Amendment 1 - Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 9: Moulding micanite	EN-FR, EN, ES
IEC 60394-1:1972	Edition 1.0	1972-01-01	Varnished fabrics for electrical purposes. Part 1: Definitions and general requirements	EN-FR, RU
IEC 60394-2:1972	Edition 1.0	1972-01-01	Varnished fabrics for electrical purposes. Part 2: Methods of test	EN-FR
IEC 60394-3-1:1976	Edition 1.0	1976-01-01	Varnished fabrics for electrical purposes. Part 3-1: Specifications for individual materials. Oleoresinous varnish-cotton base, OR/C	EN-FR, RU
IEC 60394-3-2:1988	Edition 1.0	1988-03-30	Varnished fabrics for electrical purposes. Part 3: Specifications for individual materials. Sheet 2: Glass-fabric based varnished fabrics with epoxy, polyuréthane, silicone, polyester, bituminous or oleoresinous varnish	EN-FR
IEC 60454-1:1992	Edition 2.0	1992-05-31	Specifications for pressure-sensitive adhesive tapes for electrical purposes - Part 1: General requirements	EN-FR, ES
IEC 60454-2:2007	Edition 3.0	2007-06-21	Pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test	EN-FR, EN
IEC 60454-2:2007/COR1:2009	Edition 3.0	2009-12-17	Corrigendum 1 - Pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test	EN

IEC 60454-3-1:1998+AMD1:2001 CSV	Edition 2.1	2002-12-19	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: PVC film tapes with pressure-sensitive adhesive	EN-FR
IEC 60454-3-1:1998	Edition 2.0	1998-02-19	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: PVC film tapes with pressure-sensitive adhesive	EN-FR, ES
IEC 60454-3-1:1998/AMD1:2001	Edition 2.0	2001-05-28	Amendment 1 - Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: PVC film tapes with pressure-sensitive adhesive	EN-FR, ES
IEC 60454-3-2:2006	Edition 3.0	2006-01-23	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Requirements for polyester film tapes with rubber thermosetting, rubber thermoplastic or acrylic crosslinked adhesives	EN-FR, EN, ES
IEC 60454-3-4:2007	Edition 3.0	2007-06-05	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 4: Cellulose paper, creped and non-creped, with rubber thermosetting adhesive	EN-FR, EN, ES
IEC 60454-3-7:1998	Edition 2.0	1998-03-16	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 7: Polyimide film tapes with pressure-sensitive adhesive	EN-FR, ES
IEC 60454-3-8:2006	Edition 3.0	2006-02-13	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 8 - Woven fabric tapes with pressure-sensitive adhesive based on glass, cellulose acetate alone or combined with viscose fibre	EN-FR, EN



IEC 60454-3-11:2007	Edition 2.0	2007-05-10	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 11: Polyester film combinations with glass filament, creped cellulosic paper, polyester non-woven, epoxy and pressure-sensitive adhesive	EN-FR, EN
IEC 60454-3-12:2006	Edition 2.0	2006-01-23	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 12: Requirements for polyethylene and polypropylene film tapes with pressure sensitive adhesive	EN-FR, EN, ES
IEC 60454-3-14:2001	Edition 1.0	2001-07-10	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 14: Polytetrafluoroethylene film tapes with pressure-sensitive adhesive	EN-FR, ES
IEC 60454-3-19:2003	Edition 1.0	2003-05-19	Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 19: Tapes made from various backing materials with pressure-sensitive adhesive on both sides	EN-FR, ES
IEC 60455-1:1998	Edition 2.0	1998-08-25	Resin based reactive compounds used for electrical insulation - Part 1: Definitions and general requirements	EN-FR, ES
IEC 60455-2:2015	Edition 3.0	2015-06-25	Resin based reactive compounds used for electrical insulation - Part 2: Methods of test	EN-FR, EN
IEC 60455-2-2:1984	Edition 1.0	1984-01-01	Specification for solventless polymerisable resinous compounds used for electrical insulation - Part 2-2: Methods of test - Test methods for coating powders for electrical purposes	EN-FR, RU
IEC 60455-2-2:1984/COR1:1991	Edition 1.0	1991-08-01	Corrigendum 1 - Specification for solventless polymerisable resinous compounds used for electrical insulation - Part 2: Methods of test - Test methods for coating powders for electrical purposes	EN-FR
IEC 60455-3-1:2003	Edition 2.0	2003-04-28	Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 1: Unfilled epoxy resinous compounds	EN-FR, ES

IEC 60455-3-2:2003	Edition 2.0	2003-04-28	Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 2: Quartz filled epoxy resinous compounds	EN-FR, ES
IEC 60455-3-3:2003	Edition 2.0	2003-04-28	Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 3: Unfilled polyurethane compounds	EN-FR, ES
IEC 60455-3-4:2003	Edition 2.0	2003-04-28	Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 4: Filled polyurethane compounds	EN-FR, ES
IEC 60455-3-5:2006	Edition 3.0	2006-03-08	Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 5: Unsaturated polyester based impregnating resins	EN-FR
IEC 60455-3-8:2013	Edition 1.0	2013-04-29	Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 8: Resins for cable accessories	EN-FR
IEC 60455-3-11:1988	Edition 1.0	1988-04-15	Specification for solventless polymerisable resinous compounds used for electrical insulation. Part 3: Specifications for individual materials. Sheet 11: Epoxy resin-based coating powders	EN-FR
IEC 60464-1:1998+AMD1:2006 CSV	Edition 2.1	2013-07-31	Varnishes used for electrical insulation - Part 1: Definitions and general requirements	EN-FR
IEC 60464-1:1998	Edition 2.0	1998-11-16	Varnishes used for electrical insulation - Part 1: Definitions and general requirements	EN-FR, ES
IEC 60464-1:1998/AMD1:2006	Edition 2.0	2006-01-17	Amendment 1 - Varnishes used for electrical insulation - Part 1: Definitions and general requirements	EN-FR, EN, ES
IEC 60464-2:2001+AMD1:2006 CSV	Edition 2.1	2014-05-21	Varnishes used for electrical insulation - Part 2: Methods of test	EN-FR
IEC 60464-2:2001	Edition 2.0	2001-07-31	Varnishes used for electrical insulation - Part 2: Methods of test	EN-FR, ES
IEC 60464-2:2001/AMD1:2006	Edition 2.0	2006-01-17	Amendment 1 - Varnishes used for electrical insulation - Part 2: Methods of test	EN-FR, EN, ES

IEC 60464-3-1:2001+AMD1:2006 CSV	Edition 2.1	2014-05-21	Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 1: Ambient curing finishing varnishes	EN-FR
IEC 60464-3-1:2001	Edition 2.0	2001-07-10	Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 1: Ambient curing finishing varnishes	EN-FR, ES
IEC 60464-3-1:2001/AMD1:2006	Edition 2.0	2006-01-17	Amendment 1 - Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 1: Ambient curing finishing varnishes	EN-FR, EN, ES
IEC 60464-3-2:2001+AMD1:2006 CSV	Edition 2.1	2014-05-21	Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 2: Hot curing impregnating varnishes	EN-FR
IEC 60464-3-2:2001	Edition 2.0	2001-07-10	Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 2: Hot curing impregnating varnishes	EN-FR, ES
IEC 60464-3-2:2001/AMD1:2006	Edition 2.0	2006-04-27	Amendment 1 - Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 2: Hot curing impregnating varnishes	EN-FR, EN, ES
IEC 60554-1:1977	Edition 1.0	1977-01-01	Specification for cellulosic papers for electrical purposes. Part 1: Definitions and general requirements	EN-FR, RU
IEC 60554-1:1977/COR1:1979	Edition 1.0	1979-03-01	Corrigendum 1 - Specification for cellulosic papers for electrical purposes. Part 1: Definitions and general requirements	EN-FR
IEC 60554-1:1977/AMD1:1983	Edition 1.0	1983-01-01	Amendment 1 - Specification for cellulosic papers for electrical purposes. Part 1: Definitions and general requirements	EN-FR
IEC 60554-2:2001	Edition 2.0	2001-11-08	Cellulosic papers for electrical purposes - Part 2: Methods of test	EN-FR, ES
IEC 60554-3-1:1979	Edition 1.0	1979-01-01	Specification for cellulosic papers for electrical purposes. Part 3-1: Specifications for individual materials. General purpose electrical paper	EN-FR, RU
IEC 60554-3-2:1983	Edition 1.0	1983-01-01	Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 2: Capacitor paper	EN-FR

IEC 60554-3-3:1980	Edition 1.0	1980-01-01	Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 3: Crêpe paper	EN-FR
IEC 60554-3-4:1979	Edition 1.0	1979-01-01	Specification for cellulosic papers for electrical purposes. Part 3-4: Specifications for individual materials. Electrolytic capacitor paper	EN-FR, RU
IEC 60554-3-5:1984	Edition 1.0	1984-01-01	Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 5: Special papers	EN-FR
IEC 60589:1977/COR1:1978	Edition 1.0	1978-06-01	Corrigendum 1 - Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids	EN-FR
IEC 60626-1:2009	Edition 3.0	2009-08-31	Combined flexible materials for electrical insulation - Part 1: Definitions and general requirements	EN-FR
IEC 60626-2:2009	Edition 3.0	2009-09-29	Combined flexible materials for electrical insulation - Part 2: Methods of test	EN-FR
IEC 60626-3:2008+AMD1:2012 CSV	Edition 3.1	2012-07-17	Combined flexible materials for electrical insulation - Part 3: Specifications for individual materials	EN-FR
IEC 60626-3:2008	Edition 3.0	2008-07-21	Combined flexible materials for electrical insulation - Part 3: Specifications for individual materials	EN-FR
IEC 60626-3:2008/AMD1:2012	Edition 3.0	2012-07-17	Amendment 1 - Combined flexible materials for electrical insulation - Part 3: Specifications for individual materials	EN-FR
IEC 60641-1:2007	Edition 2.0	2007-11-14	Pressboard and presspaper for electrical purposes - Part 1: Definitions and general requirements	EN-FR, EN
IEC 60641-2:2004	Edition 2.0	2004-06-23	Pressboard and presspaper for electrical purposes - Part 2: Methods of tests	EN-FR, EN, FR
IEC 60641-3-1:2008	Edition 2.0	2008-07-21	Pressboard and presspaper for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Requirements for pressboard, types B.0.1, B.0.3, B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3, B.5.1, B.5.3 and B.6.1	EN-FR

IEC 60641-3-2:2007	Edition 2.0	2007-11-14	Pressboard and presspaper for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Requirements for presspaper, types P.2.1, P.4.1, P.4.2, P.4.3 and P.6.1	EN-FR, EN
IEC TR 60648:1979	Edition 1.0	1979-01-01	Method of test for coefficients of friction of plastic film and sheeting for use as electrical insulation	EN-FR, RU
IEC 60667-1:2020	Edition 2.0	2020-04-09	Vulcanized fibre for electrical purposes - Part 1: Definitions and general requirements	EN-FR
IEC 60667-2:2020	Edition 2.0	2020-05-13	Vulcanized fibre for electrical purposes - Part 2: Methods of test	EN-FR
IEC 60667-3-1:2020	Edition 2.0	2020-03-25	Vulcanized fibre for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Flat sheets	EN-FR
IEC 60672-1:1995	Edition 2.0	1995-06-27	Ceramic and glass insulating materials - Part 1: Definitions and classification	EN-FR, EN, FR, ES
IEC 60672-2:1999	Edition 2.0	1999-12-22	Ceramic and glass insulating materials - Part 2: Methods of test	EN-FR, EN, FR, ES
IEC 60672-3:1997	Edition 2.0	1997-10-17	Ceramic and glass-insulating materials - Part 3: Specifications for individual materials	EN-FR, EN, FR, ES
IEC 60674-1:1980	Edition 1.0	1980-01-01	Specification for plastic films for electrical purposes. Part 1: Definitions and general requirements	EN-FR, ES
IEC 60674-2:2016+AMD1:2019 CSV	Edition 2.1	2019-01-24	Specification for plastic films for electrical purposes - Part 2: Methods of test	EN-FR
IEC 60674-2:2016	Edition 2.0	2016-11-18	Specification for plastic films for electrical purposes - Part 2: Methods of test	EN-FR, EN
IEC 60674-2:2016/COR1:2017	Edition 2.0	2017-12-19	Corrigendum 1 - Specification for plastic films for electrical purposes - Part 2: Methods of test	EN
IEC 60674-2:2016/AMD1:2019	Edition 2.0	2019-01-24	Amendment 1 - Specification for plastic films for electrical purposes - Part 2: Methods of test	EN-FR
IEC 60674-3-1:1998+AMD1:2011 CSV	Edition 1.1	2011-12-15	Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) films for capacitors	EN-FR

IEC 60674-3-1:1998	Edition 1.0	1998-03-16	Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors	EN-FR, ES
IEC 60674-3-1:1998/AMD1:2011	Edition 1.0	2011-09-13	Amendment 1 - Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors	EN-FR, ES
IEC 60674-3-2:2019	Edition 2.0	2019-01-16	Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Requirements for balanced biaxially oriented polyethylene terephthalate (PET) films used for electrical insulation	EN-FR
IEC 60674-3-3:1992	Edition 1.0	1992-04-30	Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 3: Requirements for polycarbonate (PC) films used for electrical insulation	EN-FR, ES
IEC 60674-3-4:1993	Edition 1.0	1993-03-19	Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheets 4 to 6: Requirements for polyimide films used for electrical insulation	EN-FR, ES
IEC 60674-3-7:1992	Edition 1.0	1992-04-30	Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 7: Requirements for fluoroethylene-propylene (FEP) films used for electrical insulation	EN-FR, ES
IEC 60674-3-8:2011+AMD1:2016 CSV	Edition 1.1	2016-11-22	Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation	EN-FR
IEC 60674-3-8:2011	Edition 1.0	2011-07-13	Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation	EN-FR

IEC 60674-3-8:2011/AMD1:2016	Edition 1.0	2016-11-22	Amendment 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	EN-FR
IEC 60684-1:2003	Edition 2.0	2003-04-28	Flexible insulating sleeving - Part 1: Definitions and general requirements	EN-FR, ES
IEC 60684-2:2011	Edition 3.0	2011-08-10	Flexible insulating sleeving - Part 2: Methods of test	EN-FR
IEC 60684-3-100:2001	Edition 2.0	2001-07-10	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 100 to 105: Extruded PVC sleeving	EN-FR, ES
IEC 60684-3-116:2010	Edition 3.0	2010-06-16	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene, general purpose	EN-FR
IEC 60684-3-121:2001	Edition 2.0	2001-07-18	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 121 to 124: Extruded silicone sleeving	EN-FR, ES
IEC 60684-3-136:1997	Edition 1.0	1997-12-22	Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 136: Extruded fluorosilicone sleeving - General purpose	EN-FR, ES
IEC 60684-3-136:1997/COR1:1999	Edition 1.0	1999-02-19	Corrigendum 1 - Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 136: Extruded fluorosilicone sleeving - General purpose	EN-FR
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IEC 60684-3-209:2010	Edition 3.0	2010-06-10	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 209: Heat-shrinkable, polyolefin sleeving, general purpose, flame retarded	EN-FR
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IEC 60684-3-212:2005	Edition 2.0	2005-11-21	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 212: Heat-shrinkable polyolefin sleeveings	EN-FR, EN
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IEC 60684-3-229:2003	Edition 1.0	2003-02-17	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 229: Heat-shrinkable semi-flexible, polyvinylidene fluoride sleeving, flame retarded, fluid resistant, shrink ratio 2:1	EN-FR, ES
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TC	Numer of publications	Number of projects
TC 15	228	9

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