

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 2 : Solid Electrical Insulating Materials And Insulation Systems

Scope: To prepare standards: a) on solid electrical insulating materials. b) on guiding principles and on the philosophy of evaluation of insulation systems in general c) for functional test programmes and methods intended for evaluation of possible insulation systems and their suitability for use in electrical equipment. d) for classification of insulation systems based upon their capability to withstand the complex of the most important service determined by the conditions of the use of insulation in equipment.

Liaison: **IEC TC-112 (P):** *Evaluation and qualification of electrical insulating materials and systems* **IEC TC-15 (P):** *Solid electrical insulating materials*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10026 (Part 1):1998 IEC 60464-1 Reviewed In : 2018 464-1:1976	Insulating varnishes containing solvents: Part 1 definitions and general requirements (First Revision)	May, 2018	-	Modified/Technically Equivalent
2	IS 10026 (Part 2):1999 IEC 60464-2 Reviewed In : 2024 IEC Publication 464-2 (1986)	Insulating varnishes containing solvents: Part 2 methods of tests (First Revision)	December, 2024	-	Modified/Technically Equivalent
3	IS 10026 (Part 3/Sec 1):1999 IEC 60464-3-1 Reviewed In : 2024 IEC Publication 464-3-1 (1986)	Insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 1 requirements for cold curing finishing varnishes (First Revision)	December, 2024	-	Modified/Technically Equivalent
4	IS 10026 (Part 3/Sec 2):1999 IEC 60464-3-2 Reviewed In : 2024 IEC 60464-3-2: 1989	Insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 2 requirements for hot curing varnishes (First Revision)	December, 2024	1	Modified/Technically Equivalent
5	IS 10026 (Part 3/Sec 3):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 3 air drying varnishes with temperature index 130	December, 2024	1	Indigenous
6	IS 10026 (Part 3/Sec 4):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual	December, 2024	1	Indigenous

		materials: Sec 4 baking varinishes with temperature index 120			
7	IS 10026 (Part 3/Sec 5):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 5 baking varnishes with temperature index 130	December, 2024	1	Indigenous
8	IS 10026 (Part 3/Sec 6):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 6 baking varnishes with temperature index 155	December, 2024	1	Indigenous
9	IS 10026 (Part 3/Sec 7):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 7 baking varnishes with temperature index 180	December, 2024	1	Indigenous
10	IS 10026 (Part 3/Sec 8):1986 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 8 baking varnishes with temperature index 200	December, 2024	-	Indigenous
11	IS 10026 (Part 3/Sec 9):1986 Reviewed In : 2024	Specification for insulating varnishes containing solvents: Part 3 specifications for individual materials: Sec 9 baking varnishes with temperature index 130 for magnetic core sheets	December, 2024	-	Indigenous
12	IS 10163 (Part 1):1982 IEC 60377-1 Reviewed In : 2018 IEC Pub 377-1 (1973)	Recommended methods of tests for the determination of dielectric properties of insulating materials at frequencies above 300 MHZ: Part 1 general	April, 2018	-	Modified/Technically Equivalent
13	IS 10192:1982 Reviewed In : 2020	Specification for synthetic resin bonded glass fibre (SRBGF) for electrical purposes	October, 2020	1	Indigenous
14	IS 10333:1982 Reviewed In : 2024	Specification for epoxy resin systems for cast resin insulated power and control cable joints and terminations up to and including 11 kV	December, 2024	-	Indigenous
15	IS 10581:1983 IEC 60589 Reviewed In : 2020 IEC Pub 589 (1977)	Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids	October, 2020	-	Modified/Technically Equivalent
16	IS 11182 (Part 1):1984 IEC 60611 Reviewed In : 2021	Guide for the evaluation of insulation systems of electrical equipment: Part 1 identification, evaluation and ageing mechanisms	March, 2021	-	Indigenous
17	IS 11182 (Part 2):1984 IEC 60611 Reviewed In : 2021 IEC Pub 611 (1978)	Guide for the evaluation of insulation systems of electrical equipment: Part 2 thermal endurance test procedures	March, 2021	-	Modified/Technically Equivalent
18	IS 11182 (Part 3/Sec 1):1986 IEC 60727-1	Guide for the evaluation of insulation systems of electrical equipment: Part 3 electrical	March, 2021	-	Modified/Technically Equivalent

	Reviewed In : 2021 IEC Pub 727-1 (1982)	endurance test procedures: Sec 1 general considerations and evaluation procedures based on normal distributions			
19	IS 11182 (Part 3/Sec 2):1996 IEC 60727-3 Reviewed In : 2021 IEC 60727-3	Guide for the evaluation of insulation systems of electrical equipment: Part 3 electrical endurance test procedures: Sec 2 evaluation procedures based on extreme - Value distributions	March, 2021	-	Identical under dual numbering
20	IS 11182 (Part 5):1993 IEC 941 Reviewed In : 2019 IEC Pub 941 (1988)	Guide for evaluation of insulation systems of electrical equipment: Part 5 mechanical endurance functional tests		-	Identical under dual numbering
21	IS 11182 (Part 6):1986 Reviewed In : 2021 IEC Doc: 63 (Central Office) 19	Guide for the evaluation of insulation systems of electrical equipment: Part 6 performance evaluation based on service experience and functional tests	March, 2021	-	Modified/Technically Equivalent
22	IS 11182 (Part 7/Sec 1):1986 Reviewed In : 2021 IEC Doc 63 (Central Office) 20	Guide for the evaluation of insulation systems of electrical equipment: Part 7 multi-factor functional testing: Sec 1 test procedures	March, 2021	-	Modified/Technically Equivalent
23	IS 11221:1984 IEC 60343 Reviewed In : 2021 IEC Pub 343-1970.	Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges	April, 2021	-	Modified/Technically Equivalent
24	IS 11256 (Part 1):1985 IEC 60370 Reviewed In : 2016 IEC publication 370 (1971)	Method of test for determination of thermal endurance of insulating varnishes: Part 1 electric strength method	October, 2016	-	Modified/Technically Equivalent
25	IS 11256 (Part 2):1985 Reviewed In : 2021 DIN 46456	Method of test for determination of thermal endurance of insulating varnishes: Part 2 measurement of loss of mass	April, 2021	-	Modified/Technically Equivalent
26	IS 11256 (Part 3):1985 IEC 60290 Reviewed In : 2021 IEC 290 (1969)	Method of test for determination of thermal endurance of insulating varnishes: Part 3 bond strength by helical coil method	April, 2021	-	Modified/Technically Equivalent
27	IS 11297 (Part 1):1985 Reviewed In : 2021 IEC Pub 394-1 (1972), BS 419 : 1958	Specification for varnished fabrics for electrical purposes: Part 1 definitions and general requirements	March, 2021	1	Modified/Technically Equivalent
28	IS 11297 (Part 2):1988 Reviewed In : 2020 IEC Publication 394-2 (1972)	Specification for varnished fabrics for electrical purposes: Part 2 methods of tests	October, 2020	-	Modified/Technically Equivalent
29	IS 11297 (Part 3/Sec 1):1988 Reviewed In : 2020	Specification for varnished fabrics for electrical purposes: Part 3 specifications for individual	October, 2020	-	Modified/Technically Equivalent

	IEC Doc : 15C (Central Office) 159	materials: Sec 1 glass fabric backed varnished fabrics			
30	IS 11298 (Part 1):1985 IEC 60674-1 Reviewed In : 2021 IEC Publication 674 - 1 (1980)	Specification for plastic films for electrical purposes: Part 1 definitions and general requirements	March, 2021	-	Modified/Technically Equivalent
31	IS 11298 (Part 2):2024 IEC 60674-2:2016 IEC 60674-2:2016	Plastic Films for Electrical Purposes- Specification Part 2 Methods of Test (Second Revision)		-	Identical under dual numbering
32	IS 11298 (Part 3/Sec 1):1991 Reviewed In : 2020 IEC Doc : 15C (Central Office) 143	Plastic films for electrical purposes - Specification: Part 3 specifications for individual materials: Sec 1 polypropylene films for capacitors (First Revision)	October, 2020	-	Modified/Technically Equivalent
33	IS 11298 (Part 3/Sec 2):1990 Reviewed In : 2019	Plastic films for electrical purposes - Specification: Part 3 specifications for individual materials: Sec 2 metallized polypropylene films		1	Indigenous
34	IS 11298 (Part 3/Sec 3):2024 IEC 60674-3-2:2019 IEC 60674-3-2:2019	Plastic Films for Electrical Purposes-Specification Part 3 Individual Materials-Specifications Section 3 Balanced Biaxial Oriented Polyethylene Terephthalate (PET) Films Used For Electrical Insulation-Requirements (First Revision)		-	Identical under dual numbering
35	IS 11298 (Part 3/Sec 4):1998 IEC 674-3-3 Reviewed In : 2025 IEC PUB 674-3-3 (1992)	Plastic films for electrical purposes: Part 3 specifications for individual materials: Sec 4 requirements for polycarbonate (PC) films used for electrical insulation	November, 2025	-	Identical under dual numbering
36	IS 11298 (Part 3/Sec 8):1998 IEC 674-3-7 Reviewed In : 2018 IEC 674-3-7 (1992)	Plastic films for electrical purposes: Part 3 specifications for individual materials: Sec 8 requirements for fluoroethylene - Propylene (FEP) films used for electrical insulation	July, 2018	-	Identical under dual numbering
37	IS 11298 (Part 3/Sec 57):2024 IEC 60674-3-4:2022 IEC 60674-3-4:2022	Plastic Films for Electrical Purposes Part 3 individual materials-Specifications Sections 5 to 7 Requirements for Polyimide Films Used for Electrical Insulation (First Revision)		-	Identical under dual numbering
38	IS 11654 (Part 1):2024 IEC 60667-1:2020 IEC 60684-1:2003	Flexible Insulating Sleeving Part 1 Definitions and General Requirements (First Revision)		-	Identical under dual numbering
39	IS 11654 (Part 2):2024 IEC 60684-2:2011 IEC 60684-2:2011	Flexible Insulating Sleeving Part 2 Methods of Test (First Revision)		-	Identical under dual numbering
40	IS 11654 (Part 3/Sec 1):1988	Specification for flexible insulating sleeving: Part 3 specifications for	October, 2020	-	Modified/Technically Equivalent

	Reviewed In : 2020 IEC Doc 15C (Central Office) 204 Sheets 100 and 103	individual types of sleeveings: Sec 1 general purpose grade sleeving with temperature index 90			
41	IS 11654 (Part 3/Sec 103):1989 Reviewed In : 2020 IEC Doc : 15 C (Central Office) 204 Sheet 103	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 103 general purpose - Grade sleeving with unilateral tolerances with temperature index 90	October, 2020	-	Modified/Technically Equivalent
42	IS 11654 (Part 3/Sec 403):1989 Reviewed In : 2020 IEC Doc 15C (C.O) 200, Sheet 403	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 403 glass textile sleeving with acrylic based coating - High breakdown strength	October, 2020	1	Modified/Technically Equivalent
43	IS 11654 (Part 3/Sec 404):1989 Reviewed In : 2020 IEC Doc 15C (Central Office) 200, Sheet 404	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 404 glass textile sleeving with acrylic based coating - Medium breakdown strength	October, 2020	-	Modified/Technically Equivalent
44	IS 11654 (Part 3/Sec 405):1989 Reviewed In : 2020 IEC Doc : 15C (Central Office) 200, Sheet 405	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 405 glass textile sleeving with acrylic based coating - Lower breakdown strength	October, 2020	-	Modified/Technically Equivalent
45	IS 11654 (Part 3/Sec 406):1989 Reviewed In : 2020 IEC Doc : 15C (Central Office) 199, Sheet 406	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 406 glass textile sleeving with pvc based coating - High breakdown strength	October, 2020	1	Modified/Technically Equivalent
46	IS 11654 (Part 3/Sec 407):1989 Reviewed In : 2020 IEC Doc : 15C (Central Office) 199, Sheet 407	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 407 glass textile sleeving with pvc based coating - Medium breakdown strength	October, 2020	-	Modified/Technically Equivalent
47	IS 11654 (Part 3/Sec 408):1989 Reviewed In : 2020 IEC Doc : 15C (C.O.) 199, Sheet 408	Specification for flexible insulating sleeving: Part 3 specifications for individual types of sleeveings: Sec 408 glass textile sleeving with pvc based coating - Lower breakdown strength	October, 2020	-	Modified/Technically Equivalent
48	IS 11731 (Part 1):1986 IEC 60107 Reviewed In : 2021 IEC 60707 (1981)	Methods of test for determination of flammability of solid electrical insulating materials when exposed to an igniting source: Part 1 horizontal specimen method	April, 2021	-	Modified/Technically Equivalent
49	IS 11731 (Part 2):1986 IEC 60707 Reviewed In : 2021 IEC Pub 707 (1981)	Methods of test for determination of flammability of solid electrical insulating materials when exposed to an igniting source: Part 2 vertical specimen method	April, 2021	-	Modified/Technically Equivalent
50	IS 1175:1981 ISO 67	Methods for grading and classification of muscovite mica	October, 2016	-	Indigenous

	Reviewed In : 2016 Reaffirmed but not taken up for revision	blocks, thins and films (First Revision)			
51	IS 11755:1986 IEC 60345 Reviewed In : 2021 IEC Pub 345 (1971)	Method of test for Determination of electrical Resistance and resistivity of Insulating materials at elevated Temperatures	April, 2021	-	Modified/Technically Equivalent
52	IS 11756:1986 IEC 60648 Reviewed In : 2016 IEC Pub 648-1979	Method of test for coefficients of friction of plastic film and sheeting for use as electrical insulation	October, 2016	1	Modified/Technically Equivalent
53	IS 12316 (Part 1):1988 Reviewed In : 2020 IEC Doc : 15C (Central Office) 131	Specification for non - Cellulosic papers for electrical purposes: Part 1 definitions and general requirements	October, 2020	-	Modified/Technically Equivalent
54	IS 12316 (Part 2):1988 Reviewed In : 2020	Specification for non - Cellulosic papers for electrical purposes: Part 2 methods of test	October, 2020	-	Indigenous
55	IS 12316 (Part 3/Sec 1):1988 Reviewed In : 2020 IEC Doc 15C (Central Office) 146	Specification for non - Cellulosic papers for electrical purposes: Part 3 requirements for individual materials: Sec 1 unfilled aramid (Aromatic Polyamide) papers calendered	October, 2020	-	Modified/Technically Equivalent
56	IS 12316 (Part 3/Sec 2):1988 Reviewed In : 2020 IEC Doc : 15C (Central Office) 146	Specification for non-cellulosic papers for electrical purposes: Part 3 requirements for individual materials: Sec 2 unfilled aramid (Aromatic Polyamide) paper, uncalendered	October, 2020	-	Modified/Technically Equivalent
57	IS 12317 (Part 1):1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980)	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials	October, 2020	-	Modified/Technically Equivalent
58	IS 1271:2012 IEC 60085 Reviewed In : 2024 IEC 60085 : 2007	Electrical insulation - Thermal evaluation and designation (Second Revision)	September, 2024	-	Identical under dual numbering
59	IS 12747 (Part 1):2011 IEC 60626-1 : 2009 Reviewed In : 2024 IEC 60626-1 : 2009	Combined flexible materials for electrical insulation: Part 1 definitions and general requirements (First Revision)	December, 2024	-	Identical under dual numbering
60	IS 12747 (Part 2):2012 EC 60626-2 : 2009 Reviewed In : 2024 IEC 60626-2 : 2009	Combined flexible materials for electrical insulation: Part 2 methods of test (First Revision)	November, 2024	-	Identical under dual numbering
61	IS 12747 (Part 3):2015 IEC 60626-3 : 2008 Reviewed In : 2021 IEC 60626-3 : 2008	Combined flexible materials for electrical insulation: Part 3 specifications for individual materials (First Revision)	April, 2021	-	Identical under dual numbering
62	IS 13066:1991	Prepreg based on glass woven	December, 2024	-	Indigenous

	Reviewed In : 2024	fabric for electrical applications - Specification			
63	IS 13335:1992 Reviewed In : 2025	Muscovite mica scrap for mica paper - Specification	June, 2025	-	Indigenous
64	IS 13357:1992 Reviewed In : 2025 ASTM : D2131	Methods of grading and visual classification of muscovite mica splittings	June, 2025	-	Modified/Technically Equivalent
65	IS 13465 (Part 1):2005 IEC 60455-1 Reviewed In : 2020 IEC 60455-1 (1998)	Resin based reactive compounds used for electrical insulation: Part 1 definitions and general requirements (First Revision)	April, 2020	-	Identical under dual numbering
66	IS 13465 (Part 2):2005 IEC 60455-2 Reviewed In : 2020 IEC 60455-2 (1998)	Resin based reactive compounds used for electrical insulation: Part 2 methods of test (First Revision)	September, 2020	-	Identical under dual numbering
67	IS 13465 (Part 3/Sec 1):2006 IEC 60455-3-1 Reviewed In : 2024 IEC 60455-3-1 : 2003	Resin based reactive compounds used for electrical insulation: Part 3 specifications for individual materials: Sec 1 unfilled epoxy resinous compounds (First Revision)	September, 2024	-	Identical under dual numbering
68	IS 13465 (Part 3/Sec 2):2006 IEC 60455-3-2 Reviewed In : 2024 IEC 60455-3-2	Resin based reactive compounds used for electrical insulation: Part 3 specifications for individual materials: Sec 2 quartz filled epoxy resinous compounds (First Revision)	September, 2024	-	Identical under dual numbering
69	IS 13465 (Part 3/Sec 3):2006 IEC 60455-3-3 Reviewed In : 2024 IEC 60455-3-3 (2003)	Resin based reactive compounds used for electrical insulation: Part 3 specifications for individual materials: Sec 3 unfilled polyurethane compounds (First Revision)	September, 2024	-	Identical under dual numbering
70	IS 13465 (Part 3/Sec 4):2006 IEC 60455-3-4 Reviewed In : 2024 IEC 60455-3-4	Resin based reactive compounds used for electrical insulation: Part 3 specifications for - Individual materials: Sec 4 filled polyurethane compounds (First Revision)	September, 2024	-	Identical under dual numbering
71	IS 13465 (Part 3/Sec 5):1998 Reviewed In : 2018	Solventless polymerisable resinous compounds used for electrical insulation - Specification: Part 3 specifications for individual materials: Sec 5 epoxy phenol novolac resin	May, 2018	-	Indigenous
72	IS 13465 (Part 3/Sec 6):2006 IEC 60455 -3 - 5 Reviewed In : 2021 IEC 60455-3-5 (2001)	Resin based reactive compounds used for electrical insulation 2006: Part 3 specifications for individual materials: Sec 6 unsaturated polyester based impregnating resins	March, 2021	-	Identical under dual numbering
73	IS 13508:1992 IEC 60894 Reviewed In : 2025 IEC 60894 (1987)	Test procedure for measurement of loss tangent angle of coils and bars for machine winding - Guide	June, 2025	1	Modified/Technically Equivalent
74	IS 13884:1993 Reviewed In : 2025	Muscovite mica flakes and mica powder for industrial applications	September, 2025	-	Indigenous
75	IS 14353:1996	Guide for determining	March, 2021	-	Indigenous

	Reviewed In : 2021	compatibility between enamelled winding wire and impregnating compounds			
76	IS 14672:1999 Reviewed In : 2025	Method of test for high voltage low current dry arc resistance of solid electrical insulation	September, 2025	-	Indigenous
77	IS 15208:2002 Reviewed In : 2022	Unidirectional non - Woven semi - Cured glass fibre tape - Specification	September, 2022	-	Indigenous
78	IS 15218 (Part 1):2002 IEC 60544-1 : 1994 Reviewed In : 2022 IEC 60544-1 : 1994	Electrical insulating materials - Determination of the effects of ionizing radiation: Part 1 radiation interaction and dosimetry	October, 2022	-	Identical under dual numbering
79	IS 15652:2006 IEC 61111 Reviewed In : 2016	Insulating mats for electrical purposes - Specification	April, 2016	2	Indigenous
80	IS 1576:1992 Reviewed In : 2025	Solid pressboard for electrical purposes - Specification (First Revision)	November, 2025	2	Indigenous
81	IS 16498 (Part : Part):2017 IEC 60641-2 : 2004 IEC 60641-2 : 2004	Specification for Pressboard and Presspaper for Electrical Purposes Part 2 Methods of Tests		-	Identical under dual numbering
82	IS 16498 (Part 1):2018 IEC 60641-1 : 2007 Reviewed In : 2024 IEC 60641-1 : 2007	Specification for Pressboard and Presspaper for Electrical Purposes Part 1 Definitions and General Requirements	November, 2024	-	Identical under dual numbering
83	IS 16498 (Part 3/Sec 1):2019 IEC 60641-3-1 : 2008 Reviewed In : 2024 IEC 60641-3-1 : 2008	Specification for 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	November, 2024	-	Identical under dual numbering
84	IS 16498 (Part 3/Sec 2):2019 60641-3-2 : 2007 Reviewed In : 2024 IEC 60641-3-2 : 2007	Specification for 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	November, 2024	-	Identical under dual numbering
85	IS 16499 (Part 1):2017 IEC 60763-1 : 2010 Reviewed In : 2024 IEC 60763-1 : 2010	Laminated Pressboard for Electrical Purposes Part 1 Definitions, Classification and General Requirements	December, 2024	-	Identical under dual numbering
86	IS 16499 (Part 3/Sec 1):2019 IEC 60763-31 : 2010 Reviewed In : 2024 IEC 60763-3-1 : 2010	Laminated Pressboard for Electrical Purposes Part 3 Specifications for Individual Materials — Sheet 1 : Requirements for Laminated Pre Compressed Pressboard, Types LB3.1A.1, and LB3.1A.2	November, 2024	-	Identical under dual numbering
87	IS 2259:1963 Reviewed In : 2020 IEC Document 15 (Central Office) 25	Methods of test for determination of insulation resistance of solid insulating materials	October, 2020	1	Modified/Technically Equivalent

88	IS 2260:1973 Reviewed In : 2018 IEC Pub 212 (1971)	Preconditioning, conditioning and testing of solid electrical insulating materials (First Revision)	April, 2018	-	Modified/Technically Equivalent
89	IS 2448 (Part 1):1963 Reviewed In : 2020 Reaffirmed but not taken up for revision B.S. 1078 : 1954	Specification for adhesive insulating tapes for electrical purposes: Part 1 tapes with cotton textile substrates	October, 2020	5	Modified/Technically Equivalent
90	IS 2464:1963 Reviewed In : 2018 DIN 57332 : 1949, BS 626 : 1946, NEMA PUB. No ME-1 1956	Specification for built-up mica for electrical purposes	April, 2018	1	Modified/Technically Equivalent
91	IS 2584:1963 Reviewed In : 2021	Method of test for electric strength of solid insulating materials at power frequencies	September, 2021	1	Indigenous
92	IS 2824:2007 IEC 60112 : 2003 Reviewed In : 2025 IEC 60112 : 2003	Method for the determination of the proof and the comparative tracking indices of solid insulating materials (Second Revision)	May, 2025	-	Identical under dual numbering
93	IS 3396:1979 Reviewed In : 2021 IEC Document 15A (Central Office) 35	Methods of test for volume and surface resistivity of solid electrical insulating materials (First Revision)	March, 2021	-	Modified/Technically Equivalent
94	IS 4248:1967 Reviewed In : 2024	Specification for non - Ignitable and self - Extinguishing boards (With Mineral Base) for electrical purposes	December, 2024	-	Indigenous
95	IS 4249:1967 Reviewed In : 2024	Classification and methods of tests for non - Ignitable and self - Extinguishing properties of solid electrical insulating materials	December, 2024	1	Indigenous
96	IS 4486:1967 Reviewed In : 2018 IEC Doc : 15 (Central Office) 38	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	April, 2018	-	Modified/Technically Equivalent
97	IS 5596:1970 Reviewed In : 2020 ERA Report No. 5234:	Methods of test for determining deleterious substances in fibrous insulating materials	October, 2020	-	Modified/Technically Equivalent
98	IS 5711:1970 Reviewed In : 2025 B.S. 67/5744	Specification for vulcanized fibre rods and tubes for electrical purposes	September, 2025	-	Modified/Technically Equivalent
99	IS/IEC 60371-1:2003 Reviewed In : 2024 IEC 60371: Part 1 : 2003	Specification for insulating materials based on MICA: Part 1 definitions and general requirements	November, 2024	-	Identical under single numbering
100	IS/IEC 60371-2:2004 IEC 60371-2 : 2004 Reviewed In : 2024 IEC 60371: PART 2	Specification for insulating materials based on MICA: Part 2 methods of test	November, 2024	-	Identical under single numbering
101	IS/IEC 60371-3-1:2006	Specification for insulating materials based on mica, Part 3	September, 2024	-	Identical under single numbering

	Reviewed In : 2024	Specification for individual materials, Section 1 Commutator Separators and materials			
102	IS/IEC 60371-3-2:2005 Reviewed In : 2024 IEC 60371-3-2:2005	Specification for Insulating Materials Based on MICA, Part 3 Specification for Individual Materials Section 2 Mica Paper	September, 2024	-	Identical under single numbering
103	IS/IEC 60371-3-3:1983 IEC 60371-3-3 ; 1983 Reviewed In : 2021 IEC 60371-3-3 ; 1983	Specification for Insulating Materials Based on MICA, Part 3 Specification for Individual Materials Section 3 Specification for Rigid Mica Materials for Heating Equipment	August, 2021	-	Identical under single numbering
104	IS/IEC 60371-3-4:1992 IEC 60371 : Part 3 : Sec 4 Reviewed In : 2021 IEC 60371 : Part 3 : Sec 4	Specification for insulating materials based on MICA, Part 3 Specifications for individual materials Section 4 Polyester film-backed mica paper with a B-stage epoxy resin binder	August, 2021	-	Identical under single numbering
105	IS/IEC 60371-3-5:2005 IEC 60371-3-5 : 2005 Reviewed In : 2022 IEC 60371-3-5 : 2005	Specification for Insulating Materials Based on MICA, Part 3 Specification for Individual Materials, Section 5 Glass-Backed Mica Paper with an Epoxy Resin Binder for Post Impregnation (VPI)	March, 2022	-	Identical under single numbering
106	IS/IEC 60371-3-6:1992 IEC 60371 : Part 3 : Sec 6 : 199 Reviewed In : 2022 IEC 60371-3-6 : 1992	Specification for Insulating Materials based on MICA, Part 3 Specifications for Individual Materials, Section 6 Glass backed Mica Paper with a B-stage Epoxy Resin Binder	March, 2022	-	Identical under single numbering
107	IS/IEC 60371-3-7:1995 IEC 60371_3_7:1995 Reviewed In : 2022 IEC 60371-3-7:1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 7 Polyester Film Mica Paper with an Epoxy Resin Binder for Single Conductor Taping	March, 2022	-	Identical under single numbering
108	IS/IEC 60371-3-8:1995 IEC 60371 : Part 3 :Sec 8 : 1995 Reviewed In : 2022 IEC 60371 : Part 3 :Sec 8 : 1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 8 Mica Paper Tapes for Flame Resistant Security Cables	April, 2022	-	Identical under single numbering
109	IS/IEC 60371_3_9:1995 IEC 60371-3-9 : 1995 Reviewed In : 2022 IEC 60371-3-9 : 1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 9 Moulding Micanite	May, 2022	-	Identical under single numbering
110	IS/IEC 60667-1:2020 IEC 60667-1:2020	Vulcanized fibre for Electrical Purposes Part 1 Definitions and General Requirements		-	Identical under single numbering

	IEC 60667-1:2020				
111	IS/IEC 60667-2:2020 IEC 60667-2:2020 IEC 60667-2:2020	Vulcanized fibre for electrical purposes Part 2 Methods of test		-	Identical under single numbering
112	IS/IEC 60667-3-1):2020 IEC 60667-3-1:2020 IEC 60667-3-1:2020	Vulcanized Fibre for Electrical Purposes Part 3 Individual Materials i _c 1/2 Specifications Section 1 Flat Sheets		-	Identical under single numbering
113	IS 6230:1970 Reviewed In : 2018 Reaffirmed but not taken up for revision BS 1944 : 1953	Specification for woven asbestos tape for electrical insulating purposes	April, 2018	-	Modified/Technically Equivalent
114	IS 6659:1976 Reviewed In : 2021	Electronic Grade Ceramic Materials	April, 2021	-	Indigenous
115	IS 7571:1974 Reviewed In : 2020 VDE 0303 Part 4/10.55 , VDE 0335/7.56	Methods of tests for ceramics for telecommunication and allied purposes	October, 2020	-	Modified/Technically Equivalent
116	IS 7809 (Part 1):1975 IEC 60454-1 Reviewed In : 2023 IEC pub 454-1	Specification for pressure sensitive adhesive tapes for electrical purposes: Part 1 general requirements	January, 2023	2	Modified/Technically Equivalent
117	IS 7809 (Part 2):1977 IEC 60454-2 Reviewed In : 2021 IEC 60454-2:1974	Specification for pressure sensitive adhesive tapes for electrical purpose : Part 2 methods of test	April, 2021	1	Modified/Technically Equivalent
118	IS 7809 (Part 3/Sec 1):1986 IEC 60454-2 Reviewed In : 2024 IEC 454-3-1:1976	Specification for pressure sensitive adhesive insulating tapes for electrical purposes: Part 3 requirements or individual materials: Sec 1 plasticized polyvinylchloride tapes with non - Thermosetting adhesive (First Revision)	December, 2024	2	Modified/Technically Equivalent
119	IS 7809 (Part 3/Sec 2):1981 Reviewed In : 2021 IEC Doc: 15C (Central Office) 105	Specification for pressure sensitive adhesive tapes for electrical purposes: Part 3 Specifications for individual materials: Sec 2 Polyester film tapes (PETP) with thermosetting adhesive	April, 2021	-	Modified/Technically Equivalent
120	IS 7809 (Part 3/Sec 3):1981 Reviewed In : 2021 IEC Doc : 15C (C.O) 106	Specification for pressure sensitive adhesive tapes for electrical purposes: Part 3 specification for individual materials: Sec 3 polyester film tapes (PETP) with non - Thermosetting adhesive	April, 2021	-	Modified/Technically Equivalent
121	IS 7809 (Part 3/Sec 4):1977 Reviewed In : 2024 IEC Doc: 15C (Central Office) 57	Specification for pressure sensitive adhesive tapes for electrical purposes: Part 3 specifications for individual materials: Sec 4 cellulosic paper, creped with thermosetting adhesive	December, 2024	-	Modified/Technically Equivalent
122	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2021	-	Modified/Technically

	5):1977 Reviewed In : 2021 IEC Doc: 15C (Central Office) 58	adhesive tapes for electrical purposes: Part 3 specifications for individual materials: Sec 5 cellulosic paper with thermosetting adhesive			Equivalent
123	IS 8504 (Part 1):2012 IEC 60216-1:2001 Reviewed In : 2024 IEC 60216-1 : 2001	Electrical insulating materials - Thermal endurance properties: Part 1 ageing procedures and evaluation of test results (Second Revision)	December, 2024	-	Identical under dual numbering
124	IS 8504 (Part 2):2013 IEC 60216 - 2 : 2005 Reviewed In : 2023 IEC 60216-2 : 2005	Electrical insulating materials - Thermal endurance properties: Part 2 determination of thermal endurance properties of electrical insulating materials - Choice of test criteria (First Revision)	January, 2023	-	Identical under dual numbering
125	IS 8504 (Part 3):1994 IEC 60216-3 Reviewed In : 2019 IEC 60216-3 : 1980	Guide for determination of thermal endurance properties of electrical insulating materials Part 3: Statistical methods		-	Identical under dual numbering
126	IS 8504 (Part 4):2013 IEC 60216 - 3 : 2006 Reviewed In : 2023 IEC 60216-3 : 2006	Electrical insulating materials - Thermal endurance properties: Part 4 instructions for calculating thermal endurance characteristics (First Revision)	January, 2023	-	Identical under dual numbering
127	IS 8504 (Part 5/Sec 1):2012 IEC 60216_4_1:2006 Reviewed In : 2024 IEC 60216-4-1 : 2006	Electrical Insulating Materials -Thermal Endurance Properties -Part 5 Ageing Ovens : Section 1 Single-chamber Ovens	September, 2024	-	Identical under dual numbering
128	IS 8504 (Part 5/Sec 2):2012 IEC 60216_4_2:2000 Reviewed In : 2024 IEC 60216-4-2 : 2000	Electrical insulating materials - Thermal endurance properties: Part 5 ageing ovens: Sec 2 precision ovens for use up to 300°C	September, 2024	-	Identical under dual numbering
129	IS 8504 (Part 5/Sec 3):2012 IEC 60216_4_3:2000 Reviewed In : 2024 IEC 60216-4-3 : 2000	Electrical insulating materials - Thermal endurance properties: Part 5 ageing ovens: Sec 3 multi - Chamber ovens	September, 2024	-	Identical under dual numbering
130	IS 8504 (Part 6):2012 IEC 60216_5:2008 Reviewed In : 2024 IEC 60216-5 : 2008	Electrical insulating materials - Thermal endurance properties: Part 6 determination of relative thermal endurance index (RTE) of an insulating material	December, 2024	-	Identical under dual numbering
131	IS 8504 (Part 7):2012 IEC 60216_6:2006 Reviewed In : 2024 IEC 60216-6 : 2006	Electrical insulating materials - Thermal endurance properties: Part 7 determination of thermal endurance indices (TI And RTE) of an insulating material using the fixed time frame method	December, 2024	-	Identical under dual numbering
132	IS 8504 (Part	Electrical insulating materials -	November, 2024	-	Identical under dual

	8):2019 IEC 60216-8 : 2013 Reviewed In : 2024 IEC 60216-8 : 2013	Thermal endurance properties: Part 8 instructions for calculating thermal endurance characteristics using simplified procedures			numbering
133	IS 8516:2011 IEC 60426 : 2007 Reviewed In : 2024 IEC 60426 : 2007	Electrical insulating materials - Determination of electrolytic corrosion caused by insulating materials - Test methods (First Revision)	November, 2024	-	Identical under dual numbering
134	IS 8570:1977 Reviewed In : 2021 BS 3255 : 1975	Specification for presspaper for electrical purposes	September, 2021	-	Modified/Technically Equivalent
135	IS 9043:1979 ISO 444 Reviewed In : 2021 ISO 444-1965	Method for grading (By Size) of phlogopite mica blocks, thins and splittings	September, 2021	-	Modified/Technically Equivalent
136	IS 9044:1979 ISO 5972 Reviewed In : 2016 Reaffirmed but not taken up for revision ISO 5972-1978	Method of measuring thickness of mica blocks, thins, films and splittings	October, 2016	-	Modified/Technically Equivalent
137	IS 9045:1979 ISO 5023 Reviewed In : 2016 Reaffirmed but not taken up for revision ISO 5023-1977	Thermal classification of phlogopite mica splittings	October, 2016	-	Modified/Technically Equivalent
138	IS 9335 (Part 1):2024 IEC 60554-1:1977+ AMD1 1983	Cellulosic Papers for Electrical Purposes – Specification Part 1 Definitions and General Requirements (First Revision)		-	Modified/Technically Equivalent
139	IS 9335 (Part 2):2024 IEC 60554-2:2001 IEC 60554-2:2001	Cellulosic Papers for Electrical Purposes Part 2 Methods of Test (Second Revision)		-	Identical under dual numbering
140	IS 9335 (Part 3/Sec 1):1984 IEC 554-3-1 Reviewed In : 2021 IEC Pub 554-3-1	Specification for cellulosic papers for electrical purposes: Part 3 specifications for individual materials: Sec 1 general purpose electrical paper	April, 2021	1	Modified/Technically Equivalent
141	IS 9335 (Part 3/Sec 2):1985 EC Pub 554-3-2 Reviewed In : 2021 IEC Pub 554-3-2	Specification for cellulosic papers for electrical purposes: Part 3 specifications for individual materials: Sec 2 capacitor paper	April, 2021	-	Modified/Technically Equivalent
142	IS 9335 (Part 3/Sec 3):1984 IEC 554-3-3 Reviewed In : 2021 IEC Pub 554-3-3 (1980)	Specification for cellulosic papers for electrical purposes: Part 3 specifications for individual materials: Sec 3 crepe paper	April, 2021	-	Modified/Technically Equivalent
143	IS 9335 (Part 3/Sec 4):1984 IEC 554-3-4 Reviewed In : 2021 IEC Pub 554-3-4 (1979)	Specification for cellulosic papers for electrical purposes: Part 3 specifications for individual materials: Sec 4 electrolytic capacitor paper	April, 2021	-	Modified/Technically Equivalent
144	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	1	Modified/Technically

	5):1985 IEC 554-3-5 Reviewed In : 2021 IEC Pub 554-3-5 : 1984	for electrical purposes: Part 3 specifications for individual materials: Sec 5 special papers			Equivalent
145	IS 9455:1980 Reviewed In : 2016 Reaffirmed but not taken up for revision ASTM D 748-71 (1977)	Classification of muscovite mica blocks, thins and films based on electrical properties	October, 2016	1	Modified/Technically Equivalent
146	IS 9502:1980 Reviewed In : 2016 Reaffirmed but not taken up for revision ISO 5816 (1979)	Specification for muscovite mica components for electronic equipment	October, 2016	-	Modified/Technically Equivalent
147	IS 9947:2011 IEC 60587 : 2007 Reviewed In : 2025 IEC 60587 : 2007	Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion (First Revision)	May, 2025	-	Identical under dual numbering

Standards under Development

Projects Approved		
Sl. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
Sl. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
Sl. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
Sl. No.	Doc No.	Title
No Records Found		

Total Published Standards:144 Total Standards Under development:0		
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Aspect Wise Report

Product : 70
Code of Practices : 0
Methods of Test : 40
Terminology : 10
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 27
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 13:1949	Methods for Grading Processed Mica Tentative
2	IS 13233:1991 Reviewed In : 2016	Low voltage high current arc resistance test - method of test
3	IS 14:1949	Classification of Processed Muscovite Mica Tentative
4	IS 1951:1962	Polyvinylchloride sleeving for electrical purpose
5	IS 2188:1962	Methods of test for paper for electrical purposes
6	IS 2448 (Part 2):1968	Code of practice for finishing of wood and wood - Based materials Part 2 schedules
7	IS 3352:1965 Reviewed In : 2021	Specification for varnished cotton cloth and tape for electrical purposes
8	IS 350:1968	Organic Baking Impregnating Insulating Varnishes For Electrical Purposes
9	IS 351:1952	Insulated Varnish Baking Bitumen Type
10	IS 352:1973	Air-drying Insulating Varnishes For Electrical Purposes
11	IS 353:1952	Insulating Varnish Non-alcoholic Clear Air-drying
12	IS 3765:1966	Varnish impregnated cotton sleeveings for electrical purposes
13	IS 4819:1968 Reviewed In : 2021	Specification for thin vulcanized fibre sheet Including Leatheroid for electrical purposes
14	IS 4820:1968 Reviewed In : 2021	Specification for vulcanized fibre sheets electrical purposes
15	IS 5424:1969 Reviewed In : 2004	Rubber Mats For Electrical Purpose
16	IS 7084:1973 Reviewed In : 2018 Document No. 68/30345	Specification for bitumen - Based filling compounds for electrical purposes
17	IS 7755:1975 Reviewed In : 2018	Specification for high tension insulating cotton tape impregnated with bitumen - Based compound
18	IS 9299 (Part 1):1979 IEC 60371-1 Reviewed In : 2006	Insulating materials based on built-up mica or treated mica paper Part 1 Definitions and general requirements
19	IS 9299 (Part 2):1992 IEC 60371-1 Reviewed In : 2008	Insulating materials based on built-up mica or treated mica paper Part 2 Methods of test
		Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for

20	IS 9299 (Part 3/Sec 1):1979 IEC 60371-3-1 Reviewed In : 2008	individual materials Section 1 Rigid mica material for commutator separators
21	IS 9299 (Part 3/Sec 2):1982 Reviewed In : 2006	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for individual materials Section 2 Moulding mica materials for electrical purposes
22	IS 9299 (Part 3/Sec 3):1982 Reviewed In : 2008	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for individual materials Section 3 Flexible mica flake tape for insulation of electrical machines
23	IS 9299 (Part 3/Sec 4):1982 Reviewed In : 2008	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for individual materials Section 4 Rigid mica materials for heating equipment
24	IS 9299 (Part 3/Sec 5):1992 Reviewed In : 2008	Insulating materials based on built up mica or treated mica paper Part 3 individual materials Section 5 Flexible mica materials in sheet form
25	IS 9299 (Part 3/Sec 6):1993 Reviewed In : 2008	Insulating Materials Based on Built-up Mica or Treated Mica Paper - Part 3 Specifications for Individual Materials - Section 6 Glass Backed Mica Paper With B-Stage Epoxy Resin Bond
26	IS 9299 (Part 3/Sec 7):1992 Reviewed In : 2008	Insulating materials based on built-up mica or treated mica paper Part 3 individual material Section 7 Mica paper

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10026 (Part 3/Sec 1):1999 IEC 60464-3-1 Reviewed In : 2024 IEC Publication 464-3-1 (1986)	Insulating varnishes containing solvents Part 3 specifications for individual materials Sec 1 requirements for cold curing finishing varnishes First Revision
2	IS 10026 (Part 3/Sec 2):1999 IEC 60464-3-2 Reviewed In : 2024 IEC 60464-3-2: 1989	Insulating varnishes containing solvents Part 3 specifications for individual materials Sec 2 requirements for hot curing varnishes First Revision
3	IS 10026 (Part 3/Sec 3):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 3 air drying varnishes with temperature index 130
4	IS 10026 (Part 3/Sec 4):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 4 baking varnishes with temperature index 120
5	IS 10026 (Part 3/Sec 5):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 5 baking varnishes with temperature index 130
6	IS 10026 (Part 3/Sec 6):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 6 baking varnishes with temperature index 155
7	IS 10026 (Part 3/Sec 7):1983 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 7 baking varnishes with temperature index 180
8	IS 10026 (Part 3/Sec 8):1986 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 8 baking varnishes with temperature index 200
9	IS 10026 (Part 3/Sec 9):1986 Reviewed In : 2024	Specification for insulating varnishes containing solvents Part 3 specifications for individual materials Sec 9 baking varnishes with temperature index 130 for magnetic core sheets
10	IS 10192:1982 Reviewed In : 2020	Specification for synthetic resin bonded glass fibre SRBGF for electrical purposes
11	IS 10333:1982 Reviewed In : 2024	Specification for epoxy resin systems for cast resin insulated power and control cable joints and terminations up to and including 11 kV
12	IS 11297 (Part 3/Sec 1):1988 Reviewed In : 2020 IEC Doc : 15C (Central Office) 159	Specification for varnished fabrics for electrical purposes Part 3 specifications for individual materials Sec 1 glass fabric backed varnished fabrics

13	IS 11298 (Part 1):1985 IEC 60674-1 Reviewed In : 2021 IEC Publication 674 - 1 (1980)	Specification for plastic films for electrical purposes Part 1 definitions and general requirements
14	IS 11298 (Part 3/Sec 1):1991 Reviewed In : 2020 IEC Doc : 15C (Central Office) 143	Plastic films for electrical purposes - Specification Part 3 specifications for individual materials Sec 1 polypropylene films for capacitors First Revision
15	IS 11298 (Part 3/Sec 2):1990 Reviewed In : 2019	Plastic films for electrical purposes - Specification Part 3 specifications for individual materials Sec 2 metallized polypropylene films
16	IS 11298 (Part 3/Sec 3):2024 IEC 60674-3-2:2019	Plastic Films for Electrical Purposes-Specification Part 3 Individual Materials-Specifications Section 3 Balanced Biaxial Oriented Polyethylene Terephthalate PET Films Used For Electrical Insulation-Requirements First Revision
17	IS 11298 (Part 3/Sec 4):1998 IEC 674-3-3 Reviewed In : 2025 IEC PUB 674-3-3 (1992)	Plastic films for electrical purposes Part 3 specifications for individual materials Sec 4 requirements for polycarbonate PC films used for electrical insulation
18	IS 11298 (Part 3/Sec 8):1998 IEC 674-3-7 Reviewed In : 2018 IEC 674-3-7 (1992)	Plastic films for electrical purposes Part 3 specifications for individual materials Sec 8 requirements for fluoroethylene - Propylene FEP films used for electrical insulation
19	IS 11298 (Part 3/Sec 57):2024 IEC 60674-3-4:2022	Plastic Films for Electrical Purposes Part 3 individual materials-Specifications Sections 5 to 7 Requirements for Polyimide Films Used for Electrical Insulation First Revision
20	IS 11654 (Part 3/Sec 103):1989 Reviewed In : 2020 IEC Doc : 15 C (Central Office) 204 Sheet 103	Specification for flexible insulating sleeveings Part 3 specifications for individual types of sleeveings Sec 103 general purpose - Grade sleeving with unilateral tolerances with temperature index 90
21	IS 11654 (Part 3/Sec 403):1989 Reviewed In : 2020 IEC Doc 15C (C.O) 200, Sheet 403	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleeveings Sec 403 glass textile sleeving with acrylic based coating - High breakdown strength
22	IS 11654 (Part 3/Sec 405):1989 Reviewed In : 2020 IEC Doc : 15C (Central Office) 200, Sheet 405	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleeveings Sec 405 glass textile sleeving with acrylic based coating - Lower breakdown strength
23	IS 11654 (Part 3/Sec 406):1989 Reviewed In : 2020 IEC Doc : 15C (Central Office) 199, Sheet 406	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleeveings Sec 406 glass textile sleeving with pvc based coating - High breakdown strength
24	IS 11654 (Part 3/Sec 407):1989 Reviewed In : 2020 IEC Doc : 15C (Central Office) 199, Sheet 407	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleeveings Sec 407 glass textile sleeving with pvc based coating - Medium breakdown strength
25	IS 11654 (Part 3/Sec 408):1989 Reviewed In : 2020 IEC Doc : 15C (C.O.) 199,	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleeveings Sec 408 glass textile sleeving with pvc based coating - Lower breakdown strength

	Sheet 408	
26	IS 12317 (Part 1):1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980)	Specification for ceramic and glass insulating materials for telecommunication and allied purposes Part 1 general requirements and classification of ceramic and glass insulating materials
27	IS 12747 (Part 3):2015 IEC 60626-3 : 2008 Reviewed In : 2021 IEC 60626-3 : 2008	Combined flexible materials for electrical insulation Part 3 specifications for individual materials First Revision
28	IS 13465 (Part 3/Sec 1):2006 IEC 60455-3-1 Reviewed In : 2024 IEC 60455-3-1 : 2003	Resin based reactive compounds used for electrical insulation Part 3 specifications for individual materials Sec 1 unfilled epoxy resinous compounds First Revision
29	IS 13465 (Part 3/Sec 2):2006 IEC 60455-3-2 Reviewed In : 2024 IEC 60455-3-2	Resin based reactive compounds used for electrical insulation Part 3 specifications for individual materials Sec 2 quartz filled epoxy resinous compounds First Revision
30	IS 13465 (Part 3/Sec 3):2006 IEC 60455-3-3 Reviewed In : 2024 IEC 60455-3-3 (2003)	Resin based reactive compounds used for electrical insulation Part 3 specifications for individual materials Sec 3 unfilled polyurethane compounds First Revision
31	IS 13465 (Part 3/Sec 4):2006 IEC 60455-3-4 Reviewed In : 2024 IEC 60455-3-4	Resin based reactive compounds used for electrical insulation Part 3 specifications for - Individual materials Sec 4 filled polyurethane compounds First Revision
32	IS 13465 (Part 3/Sec 5):1998 Reviewed In : 2018	Solventless polymerisable resinous compounds used for electrical insulation - Specification Part 3 specifications for individual materials Sec 5 epoxy phenol novolac resin
33	IS 15652:2006 IEC 61111 Reviewed In : 2016	Insulating mats for electrical purposes - Specification
34	IS 1576:1992 Reviewed In : 2025	Solid pressboard for electrical purposes - Specification First Revision
35	IS 16498 (Part 1):2018 IEC 60641-1 : 2007 Reviewed In : 2024 IEC 60641-1 : 2007	Specification for Pressboard and Presspaper for Electrical Purposes Part 1 Definitions and General Requirements
36	IS 16498 (Part 3/Sec 1):2019 IEC 60641-3-1 : 2008 Reviewed In : 2024 IEC 60641-3-1 : 2008	Specification for 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
37	IS 16498 (Part 3/Sec 2):2019 60641-3-2 : 2007 Reviewed In : 2024 IEC 60641-3-2 : 2007	Specification for 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
38	IS 16499 (Part 1):2017 IEC 60763-1 : 2010 Reviewed In : 2024 IEC 60763-1 : 2010	Laminated Pressboard for Electrical Purposes Part 1 Definitions Classification and General Requirements
39	IS 16499 (Part 3/Sec 1):2019 IEC 60763-31 : 2010 Reviewed In : 2024 IEC	Laminated Pressboard for Electrical Purposes Part 3 Specifications for Individual Materials Sheet 1 Requirements for Laminated Pre Compressed Pressboard Types LB3 1A 1 and LB3 1A 2

	60763-3-1 : 2010	
40	IS 2448 (Part 1):1963 Reviewed In : 2020 Reaffirmed but not taken up for revision B.S. 1078 : 1954	Specification for adhesive insulating tapes for electrical purposes Part 1 tapes with cotton textile substrates
41	IS 2464:1963 Reviewed In : 2018 DIN 57332 : 1949, BS 626 : 1946, NEMA PUB. No ME-1 1956	Specification for built-up mica for electrical purposes
42	IS 4248:1967 Reviewed In : 2024	Specification for non - Ignitable and self - Extinguishing boards With Mineral Base for electrical purposes
43	IS 5711:1970 Reviewed In : 2025 B.S. 67/5744	Specification for vulcanized fibre rods and tubes for electrical purposes
44	IS/IEC 60371-1:2003 Reviewed In : 2024 IEC 60371: Part 1 : 2003	Specification for insulating materials based on MICA Part 1 definitions and general requirements
45	IS/IEC 60371-3-1:2006 Reviewed In : 2024	Specification for insulating materials based on mica Part 3 Specification for individual materials Section 1 Commutator Separators and materials
46	IS/IEC 60371-3-2:2005 Reviewed In : 2024 IEC 60371-3-2:2005	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 2 Mica Paper
47	IS/IEC 60371-3-3:1983 IEC 60371-3-3 ; 1983 Reviewed In : 2021 IEC 60371-3-3 ; 1983	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 3 Specification for Rigid Mica Materials for Heating Equipment
48	IS/IEC 60371-3-4:1992 IEC 60371 : Part 3 : Sec 4 Reviewed In : 2021 IEC 60371 : Part 3 : Sec 4	Specification for insulating materials based on MICA Part 3 Specifications for individual materials Section 4 Polyester film-backed mica paper with a B-stage epoxy resin binder
49	IS/IEC 60371-3-5:2005 IEC 60371-3-5 : 2005 Reviewed In : 2022 IEC 60371-3-5 : 2005	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 5 Glass-Backed Mica Paper with an Epoxy Resin Binder for Post Impregnation VPI
50	IS/IEC 60371-3-6:1992 IEC 60371 : Part 3 : Sec 6 : 199 Reviewed In : 2022 IEC 60371-3-6 : 1992	Specification for Insulating Materials based on MICA Part 3 Specifications for Individual Materials Section 6 Glass backed Mica Paper with a B-stage Epoxy Resin Binder
51	IS/IEC 60371-3-7:1995 IEC 60371_3_7:1995 Reviewed In : 2022 IEC 60371-3-7:1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 7 Polyester Film Mica Paper with an Epoxy Resin Binder for Single Conductor Taping
52	IS/IEC 60371-3-8:1995 IEC 60371 : Part 3 :Sec 8 : 1995 Reviewed In : 2022 IEC 60371 : Part 3 :Sec 8 : 1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 8 Mica Paper Tapes for Flame Resistant Security Cables
53	IS/IEC 60371_3_9:1995 IEC 60371-3-9 : 1995 Reviewed In : 2022 IEC 60371-3-9 : 1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual Materials Section 9 Moulding Micanite
54	IS/IEC 60667-1:2020 IEC 60667-1:2020	Vulcanized fibre for Electrical Purposes Part 1 Definitions and General Requirements
55	IS/IEC 60667-3-1):2020 IEC 60667-3-1:2020	Vulcanized Fibre for Electrical Purposes Part 3 Individual Materials Specifications Section 1 Flat Sheets

56	IS 6230:1970 Reviewed In : 2018 Reaffirmed but not taken up for revision BS 1944 : 1953	Specification for woven asbestos tape for electrical insulating purposes
57	IS 7809 (Part 3/Sec 1):1986 IEC 60454-2 Reviewed In : 2024 IEC 454-3-1:1976	Specification for pressure sensitive adhesive insulating tapes for electrical purposes Part 3 requirements or individual materials Sec 1 plasticized polyvinylchloride tapes with non - Thermosetting adhesive First Revision
58	IS 7809 (Part 3/Sec 2):1981 Reviewed In : 2021 IEC Doc: 15C (Central Office) 105	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 Specifications for individual materials Sec 2 Polyester film tapes PETP with thermosetting adhesive
59	IS 7809 (Part 3/Sec 3):1981 Reviewed In : 2021 IEC Doc : 15C (C.O) 106	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 specification for individual materials Sec 3 polyester film tapes PETP with non - Thermosetting adhesive
60	IS 7809 (Part 3/Sec 4):1977 Reviewed In : 2024 IEC Doc: 15C (Central Office) 57	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 specifications for individual materials Sec 4 cellulosic paper creped with thermosetting adhesive
61	IS 7809 (Part 3/Sec 5):1977 Reviewed In : 2021 IEC Doc: 15C (Central Office) 58	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 specifications for individual materials Sec 5 cellulosic paper with thermosetting adhesive
62	IS 8504 (Part 5/Sec 1):2012 IEC 60216_4_1:2006 Reviewed In : 2024 IEC 60216-4-1 : 2006	Electrical Insulating Materials -Thermal Endurance Properties -Part 5 Ageing Ovens Section 1 Single-chamber Ovens
63	IS 8504 (Part 5/Sec 2):2012 IEC 60216_4_2:2000 Reviewed In : 2024 IEC 60216-4-2 : 2000	Electrical insulating materials - Thermal endurance properties Part 5 ageing ovens Sec 2 precision ovens for use up to 300 C
64	IS 8504 (Part 5/Sec 3):2012 IEC 60216_4_3:2000 Reviewed In : 2024 IEC 60216-4-3 : 2000	Electrical insulating materials - Thermal endurance properties Part 5 ageing ovens Sec 3 multi - Chamber ovens
65	IS 8570:1977 Reviewed In : 2021 BS 3255 : 1975	Specification for presspaper for electrical purposes
66	IS 9335 (Part 3/Sec 1):1984 IEC 554-3-1 Reviewed In : 2021 IEC Pub 554-3-1	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual materials Sec 1 general purpose electrical paper
67	IS 9335 (Part 3/Sec 2):1985 EC Pub 554-3-2 Reviewed In : 2021 IEC Pub 554-3-2	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual materials Sec 2 capacitor paper
68	IS 9335 (Part 3/Sec 3):1984 IEC 554-3-3 Reviewed In : 2021 IEC Pub 554-3-3 (1980)	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual materials Sec 3 crepe paper
69	IS 9335 (Part 3/Sec 4):1984 IEC 554-3-4 Reviewed In : 2021 IEC Pub 554-3-4 (1979)	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual materials Sec 4 electrolytic capacitor paper
70	IS 9335 (Part 3/Sec 5):1985 IEC 554-3-5 Reviewed In : 2021 IEC Pub 554-3-5 : 1984	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual materials Sec 5 special papers

