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	Insulating varnishes containing	May, 2018	-	Modified/Technically
	1):1998	solvents: Part 1 definitions and			Equivalent
	IEC 60464-1	general requirements (First			
	Reviewed In: 2018	Revision)			
	464-1:1976				
2	IS 10026 (Part	Insulating varnishes containing	December, 2024	-	Modified/Technically
	2):1999	solvents: Part 2 methods of tests			Equivalent
	IEC 60464-2	(First Revision)			
	Reviewed In: 2024				
	IEC Publication				
	464-2 (1986)				
3	IS 10026 (Part 3/Sec	S	December, 2024	=	Modified/Technically
	1):1999	solvents: Part 3 specifications for			Equivalent
	IEC 60464-3-1	individual materials: Sec 1			
	Reviewed In: 2024	requirements for cold curing			
		finishing varnishes (First Revision)			
	464-3-1 (1986)				
4	IS 10026 (Part 3/Sec	S	December, 2024	1	Modified/Technically
	2):1999	solvents: Part 3 specifications for			Equivalent
	IEC 60464-3-2	individual materials: Sec 2			
	Reviewed In: 2024	requirements for hot curing			
	IEC 60464-3-2:	varnishes (First Revision)			
<u> </u>	1989		D 1 2024		* "
5	IS 10026 (Part 3/Sec	1	December, 2024	1	Indigenous
	3):1983	varnishes containing solvents: Part			
	Reviewed In: 2024	3 specifications for individual			
		materials: Sec 3 air drying			
		varnishes with temperature index			
	IS 10026 (Part 3/Sec	130	December 2024	1	Indicanous
6	,	1	December, 2024	1	Indigenous
	4):1983	varnishes containing solvents: Part			
	Reviewed In: 2024	3 specifications for individual			

I		materials: Sec 4 baking varinishes			Ī
		with temperature index 120			
7	IS 10026 (Part 3/Sec	Specification for insulating	December, 2024	1	Indigenous
	5):1983	varnishes containing solvents: Part			
	Reviewed In: 2024	3 specifications for individual			
		materials: Sec 5 baking varnishes			
		with temperature index 130			
8	IS 10026 (Part 3/Sec	1	December, 2024	1	Indigenous
	6):1983	varnishes containing solvents: Part			
	Reviewed In: 2024	3 specifications for individual			
		materials: Sec 6 baking varnishes			
		with temperature index 155			
9	IS 10026 (Part 3/Sec	-	December, 2024	1	Indigenous
	7):1983	varnishes containing solvents: Part			
	Reviewed In: 2024	3 specifications for individual			
		materials: Sec 7 baking varnishes			
10	IC 10026 (Doub 2/Coo	with temperature index 180	Dagamban 2024		Tu di assesso
10	IS 10026 (Part 3/Sec 8):1986		December, 2024	-	Indigenous
	Reviewed In : 2024	varnishes containing solvents: Part 3 specifications for individual			
	Keviewed III . 2024	materials: Sec 8 baking varnishes			
		with temperature index 200			
11	IS 10026 (Part 3/Sec		December, 2024	_	Indigenous
**	9):1986	varnishes containing solvents: Part	December, 2021		margenous
	Reviewed In: 2024	3 specifications for individual			
	110 110 110 110 110 110 110 110 110 110	materials: Sec 9 baking varnishes			
		with temperature index 130 for			
		magnetic core sheets			
12	IS 10163 (Part	Recommended methods of tests for	April, 2018	-	Modified/Technically
	1):1982	the determination of dielectric	•		Equivalent
		properties of insulating materials at			•
	Reviewed In: 2018	frequencies above 300 MHZ: Part			
	IEC Pub 377-1 (1 general			
	1973)				
13	IS 10192:1982	Specification for synthetic resin	October, 2020	1	Indigenous
	Reviewed In: 2020	bonded glass fibre (SRBGF) for			
		electrical purposes			
14	IS 10333:1982	Specification for epoxy resin	December, 2024	-	Indigenous
	Reviewed In: 2024	systems for cast resin insulated			
		power and control cable joints and			
		terminations up to and including 11			
1.5	IC 10501 1002	kV	Opt-1 2020		Madifical/Trad 1 11
15	IS 10581:1983 IEC 60589	Methods of test for the	October, 2020	_	Modified/Technically
		determination of ionic impurities in electrical insulating materials by			Equivalent
	IEC Pub 589 (1977	extraction with liquids			
)	extraction with figures			
16	IS 11182 (Part	Guide for the evaluation of	March, 2021	_	Indigenous
'`	1):1984	insulation systems of electrical	2021		Indigonous
	IEC 60611	equipment: Part 1 identification,			
	Reviewed In: 2021	evaluation and ageing mechanisms			
17	IS 11182 (Part	Guide for the evaluation of	March, 2021	-	Modified/Technically
	2):1984	insulation systems of electrical			Equivalent
	IEC 60611	equipment: Part 2 thermal			
	Reviewed In: 2021	endurance test procedures			
	IEC Pub 611 (1978)				
18	IS 11182 (Part 3/Sec		March, 2021	-	Modified/Technically
	1):1986	insulation systems of electrical			Equivalent
	IEC 60727-1	equipment: Part 3 electrical			
•	•			•	•

	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		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		Specification for varnished fabrics for electrical purposes: Part 3 specifications for individual	October, 2020	-	Modified/Technically Equivalent

ı	IEC Doc: 15C (materials: Sec 1 glass fabric backed		I	1
	Central Office) 159				
30	IS 11298 (Part	Specification for plastic films for	March, 2021	_	Modified/Technically
	1):1985	electrical purposes: Part 1	Waren, 2021		Equivalent
	IEC 60674-1	definitions and general			Equivalent
	Reviewed In: 2021	requirements			
	IEC Publication 674	-			
	- 1 (1980)				
31	IS 11298 (Part	Plastic Films for Electrical			Identical under dual
	2):2024	Purposes- Specification Part 2		_	
	, , , , , , , , , , , , , , , , , , ,				numbering
	IEC 60674-2:2016	Methods of Test (Second Revision)			
22		Diagtic films for electrical numases	October 2020		Modified/Tooknicelly
32		Plastic films for electrical purposes	October, 2020	-	Modified/Technically
	1):1991	- Specification: Part 3			Equivalent
	Reviewed In: 2020	specifications for individual			
	IEC Doc : 15C (materials: Sec 1 polypropylene			
	Central Office) 143	<u> </u>			
<u></u>		Revision)			
33	*	Plastic films for electrical purposes		1	Indigenous
	2):1990	- Specification: Part 3			
	Reviewed In: 2019	specifications for individual			
		materials: Sec 2 metallized			
		polypropylene films			
34	IS 11298 (Part 3/Sec			-	Identical under dual
	3):2024	Purposes-Specification Part 3			numbering
		Individual Materials-Specifications			
	IEC	Section 3 Balanced Biaxial			
	60674-3-2:2019	Oriented Polyethylene			
		Terephthalate (PET) Films Used			
		For Electrical Insulation-			
		Requirements (First Revision)			
35	IS 11298 (Part 3/Sec	Plastic films for electrical	November, 2025	-	Identical under dual
	4):1998	purposes: Part 3 specifications for			numbering
	IEC 674-3-3	individual materials: Sec 4			
	Reviewed In: 2025	requirements for polycarbonate			
	IEC PUB 674-3-3 ((PC) films used for electrical			
	1992)	insulation			
36	IS 11298 (Part 3/Sec	Plastic films for electrical	July, 2018	-	Identical under dual
	8):1998	purposes: Part 3 specifications for	•		numbering
	IEC 674-3-7	individual materials: Sec 8			
	Reviewed In: 2018	requirements for fluoroethylene -			
	IEC 674-3-7 (1992)	Propylene (FEP) films used for			
		electrical insulation			
37	IS 11298 (Part 3/Sec			-	Identical under dual
	57):2024	Purposes Part 3 individual			numbering
	· · · · · · · · · · · · · · · · · · ·	materials-Specifications Sections 5			
	IEC 00074 3 4.2022	to 7 Requirements for Polyimide			
	60674-3-4:2022	Films Used for Electrical			
	00077 3 7,2022	Insulation (First Revision)			
38	IS 11654 (Part	Flexible Insulating Sleeving Part 1		_	Identical under dual
30	1):2024	Definitions and General		_	numbering
	IEC 60667-1:2020	Requirements (First Revision)			numbering
	IEC 60684-1:2003	Requirements (First Revision)			
39	IS 11654 (Part	Flexible Insulating Sleeving Part 2		_	Identical under dual
] 39	2):2024	Methods of Test (First Revision)		_	
	IEC 60684-2:2011	wichious of Test (First Revision)			numbering
40	IEC 60684-2:2011	Charification for florible insulation	Ootobar 2020		Modified/Technically
40	· ·	Specification for flexible insulating	October, 2020	-	Modified/Technically
	1):1988	sleeving: Part 3 specifications for			Equivalent

	l			1	1 1
		individual types of sleevings: Sec 1			
		general purpose grade sleeving with			
	(Central Office) 204	temperature index 90			
<u> </u>	Sheets 100 and 103				
41	,	Specification for flexible insulating	October, 2020	-	Modified/Technically
	103):1989	sleevings: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			
	IEC Doc: 15 C	103 general purpose - Grade			
		sleeving with unilateral tolerances			
	Sheet 103	with temperature index 90			
42	· ·	Specification for flexible insulating	October, 2020	1	Modified/Technically
	403):1989	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			
	IEC Doc 15C (C.O)	403 glass textile sleeving with			
	200, Sheet 403	acrylic based coating - High			
		breakdown strength			
43	IS 11654 (Part 3/Sec	Specification for flexible insulating	October, 2020	-	Modified/Technically
1	404):1989	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			
	IEC Doc 15C	404 glass textile sleeving with			
	(Central Office) 200,				
	Sheet 404	breakdown strength			
44	IS 11654 (Part 3/Sec	Specification for flexible insulating	October, 2020	-	Modified/Technically
	405):1989	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			
	IEC Doc: 15C (405 glass textile sleeving with			
	Central Office) 200,	acrylic based coating - Lower			
	Sheet 405	breakdown strength			
45	IS 11654 (Part 3/Sec	Specification for flexible insulating	October, 2020	1	Modified/Technically
	406):1989	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			_
	IEC Doc: 15C (406 glass textile sleeving with pvc			
	Central Office) 199,	based coating - High breakdown			
	Sheet 406	strength			
46	IS 11654 (Part 3/Sec	Specification for flexible insulating	October, 2020	-	Modified/Technically
	407):1989	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			
	IEC Doc: 15C (407 glass textile sleeving with pvc			
	Central Office) 199,	based coating - Medium			
	Sheet 407	breakdown strength			
47	IS 11654 (Part 3/Sec	Specification for flexible insulating	October, 2020	-	Modified/Technically
	408):1989	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			
	IEC Doc: 15C (408 glass textile sleeving with pvc			
	C.O.) 199, Sheet	based coating - Lower breakdown			
	408	strength			
48	IS 11731 (Part	Methods of test for determination	April, 2021	-	Modified/Technically
	1):1986	of flammability of solid electrical			Equivalent
	IEC 60107	insulating materials when exposed			
1	Reviewed In: 2021	to an igniting source: Part 1			
	IEC 60707 (1981)	horizontal specimen method			
49	IS 11731 (Part	Methods of test for determination	April, 2021	-	Modified/Technically
	2):1986	of flammability of solid electrical			Equivalent
	IEC 60707	insulating materials when exposed			
	Reviewed In: 2021	to an igniting source: Part 2 vertical			
	IEC Pub 707 (1981	specimen method			
)				
50	IS 1175:1981	Methods for grading and	October, 2016	-	Indigenous
	ISO 67	classification of muscovite mica			
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	Reviewed In : 2016 Reaffirmed but not taken up for revision	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	papers for electrical purposes: Part 3 requirements for individual materials: Sec 1 unfilled aramid	October, 2020	-	Modified/Technically Equivalent
56	IS 12316 (Part 3/Sec 2):1988 Reviewed In : 2020 IEC Doc : 15C (Central Office) 146	papers for electrical purposes: Part 3 requirements for individual materials: Sec 2 unfilled aramid	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	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	Methods of grading and visual classification of muscovite mica	June, 2025	-	Modified/Technically Equivalent
65	ASTM: D2131 IS 13465 (Part 1):2005 IEC 60455-1	splittings Resin based reactive compounds used for electrical insulation: Part 1 definitions and general	April, 2020	-	Identical under dual numbering
	Reviewed In: 2020 IEC 60455-1 (1998)	requirements (First Revision)	Santanilar 2020		Harded and a deal
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	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	,	September, 2024	-	Identical under dual numbering
71		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	Reviewed In: 2021	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	` ′	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 :	Specification for Pressboard and Presspaper for Electrical Purposes Part 3 Specifications for Individual Materials Sheet 1 Requirements for pressboard, types B.O.1, B.O.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		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
	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	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

	•			1	1
88	IS 2260:1973	Preconditioning, conditioning and	April, 2018	-	Modified/Technically
	Reviewed In: 2018	testing of solid electrical insulating			Equivalent
	IEC Pub 212 (1971)	materials (First Revision)			
89	IS 2448 (Part	Specification for adhesive	October, 2020	5	Modified/Technically
	1):1963	insucating tapes for electrical			Equivalent
	Reviewed In: 2020	purposes: Part 1 tapes with cotton			
	Reaffirmed but not	textile substrates			
	taken up for revision				
	B.S. 1078 : 1954				
90	IS 2464:1963	Specification for built-up mica for	April, 2018	1	Modified/Technically
	Reviewed In: 2018	electrical purposes	•		Equivalent
	DIN 57332 : 1949,				•
	BS 626 : 1946,				
	NEMA PUB. No				
	ME-1 1956				
91	IS 2584:1963	Method of test for electric strength	September, 2021	1	Indigenous
	Reviewed In: 2021	of solid insulating materials at	,		
		power frequencies			
92	IS 2824:2007	Method for the determination of	May, 2025	-	Identical under dual
~~	IEC 60112 : 2003	the proof and the comparative	,, -		numbering
	Reviewed In: 2025	tracking indices of solid insulating			,
	IEC 60112 : 2003	materials (Second Revision)			
93	IS 3396:1979	Methods of test for volume and	March, 2021	-	Modified/Technically
"		surface resistivity of solid electrical	1/101/011, 2021		Equivalent
	IEC Document 15A	insulating materials (First			Equivalent
	(Central Office) 35	Revision)			
94	IS 4248:1967	Specification for non - Ignitable	December, 2024	_	Indigenous
' '	Reviewed In: 2024	and self - Extinguishing boards	December, 2021		margenous
	rteviewed in : 2021	(With Mineral Base) for electrical			
		purposes			
95	IS 4249:1967	Classification and methods of tests	December, 2024	1	Indigenous
	Reviewed In: 2024	for non - Ignitable and self -	December, 2024	1	margenous
	Reviewed III : 2021	Extinguishing properties of solid			
		electrical insulating materials			
96	IS 4486:1967	Recommended methods for the	April, 2018	_	Modified/Technically
'0	Reviewed In: 2018		тріп, 2010		Equivalent
	IEC Doc: 15	and dielectric dissipation factor of			Equivalent
	(Central Office) 38	electrical insulating materials at			
	(Central Office) 30	power, audio and radio frequencies			
		including metre wavelengths			
97	IS 5596:1970	Methods of test for determining	October, 2020	 	Modified/Technically
''	Reviewed In : 2020	deleterious substances in fibrous	OCTOBET, 2020	_	Equivalent
	ERA Report No.	insulating materials			Equivalent
	5234:	modating materials			
98	IS 5711:1970	Specification for vulcanized fibre	September, 2025	_	Modified/Technically
1 20	Reviewed In : 2025	rods and tubes for electrical	5cptc1110c1, 2025	_	Equivalent
	B.S. 67/5744				Lquivaiciit
99	IS/IEC	purposes Specification for insulating	November, 2024	 _	Identical under single
''	60371-1:2003	materials based on MICA: Part 1	11010111001, 2024	_	numbering
	Reviewed In : 2024	definitions and general			numbering
	IEC 60371: Part 1:	requirements			
	2003	requirements			
100	IS/IEC	Specification for insulating	November, 2024	 _	Identical under single
100	60371-2:2004	materials based on MICA: Part 2	11010111001, 2024	1	numbering
	IEC 60371-2:2004				numbering
	Reviewed In : 2024	methods of test			
	IEC 60371: PART 2				
101	IS/IEC	Specification for insulating	September, 2024		Identical under single
101	60371-3-1:2006	materials based on mica, Part 3	50pto111001, 2024	_	numbering
1	005/1-5-1.2000	materials based on fillea, I art 3			namoernig

	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

I	IEC 60667-1:2020	ı		I	I
111	IS/IEC 00007-1.2020	Vulcanized fibre for electrical			Identical under single
111	60667-2:2020	purposes Part 2 Methods of test		-	numbering
	IEC 60667-2:2020	purposes Part 2 Methods of test			numbering
112	IEC 60667-2:2020 IS/IEC	Vulcanized Fibre for Electrical		+	Identical under single
112				-	Identical under single
	60667-3-1):2020	Purposes Part 3 Individual			numbering
	IEC 60667-3-1:2020 IEC	Materials � Specifications Section 1 Flat Sheets			
		Section 1 Flat Sheets			
113	60667-3-1:2020 IS 6230:1970	Specification for woven asbestos	April, 2018	+	Modified/Technically
113	Reviewed In : 2018	tape for electrical insulating	Aprii, 2018	-	Equivalent
	Reaffirmed but not	•			Equivalent
		purposes			
	taken up for revision				
114	BS 1944 : 1953 IS 6659:1976	Electronic Grade Ceramic	April, 2021		Indiganous
114	Reviewed In : 2021	Materials	Aprii, 2021	-	Indigenous
115	IS 7571:1974	Methods of tests for ceramics for	October, 2020		Modified/Technically
113	Reviewed In : 2020	telecommunication and allied	October, 2020	-	•
	VDE 0303 Part				Equivalent
	4/10.55 , VDE	purposes			
	0335/7.56				
116	IS 7809 (Part	Specification for pressure sensitive	January, 2023	2	Modified/Technically
110	1):1975	adhesive tapes for electrical	January, 2023	2	Equivalent
	IEC 60454-1	purposes: Part 1 general			Equivalent
	Reviewed In: 2023	requirements			
	IEC pub 454-1	requirements			
117	IS 7809 (Part	Specification for pressure sensitive	April, 2021	1	Modified/Technically
117	2):1977	adhesive tapes for electrical	7 tpm, 2021	1	Equivalent
	IEC 60454-2	purpose : Part 2 methods of test			Equivalent
	Reviewed In: 2021	purpose . I art 2 methods of test			
	IEC 60454-2:1974				
118		Specification for pressure sensitive	December, 2024	2	Modified/Technically
110	1):1986	adhesive insulating tapes for	Beccinoci, 2021	_	Equivalent
	IEC 60454-2	electrical purposes: Part 3			
	Reviewed In: 2024	requirements or individual			
	IEC 454-3-1:1976	materials: Sec 1 plasticized			
	120 10 1 0 1115 7 0	polyvinylchloride tapes with non -			
		Thermosetting adhesive (First			
		Revision)			
119	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2021	_	Modified/Technically
'''	2):1981	adhesive tapes for electrical	p.i., 2021		Equivalent
	Reviewed In: 2021	purposes: Part 3 Specifications for			
	IEC Doc: 15C (individual materials: Sec 2			
	Central Office) 105	Polyester film tapes (PETP) with			
		thermosetting adhesive			
120	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2021	_	Modified/Technically
	3):1981	adhesive tapes for electrical	r , ,==		Equivalent
	Reviewed In: 2021	purposes: Part 3 specification for			1
		individual materials: Sec 3 polyster			
) 106	film tapes (PETP) with non -			
		Thermosetting adhesive			
121	IS 7809 (Part 3/Sec	Specification for pressure sensitive	December, 2024	-	Modified/Technically
	4):1977	adhesive tapes for electrical			Equivalent
	Reviewed In: 2024	purposes: Part 3 specifications for			•
	IEC Doc: 15C (individual materials: Sec 4			
	Central Office) 57	cellulosic paper, creped with			
L		thermosetting adhesive			
122	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2021	-	Modified/Technically
Ī	l `	'	* '	1	I

	5):1977 Reviewed In : 2021	adhesive tapes for electrical			Equivalent
	IEC Doc: 15C (purposes: Part 3 specifications for individual materials: Sec 5			
	,	cellulosic paper with thermosetting			
		adhesive			
123	IS 8504 (Part	Electrical insulating materials -	December, 2024	-	Identical under dual
	1):2012	Thermal endurance properties: Part			numbering
	IEC 60216-1:2001	1 ageing procedures and evaluation			
	Reviewed In: 2024	of test results (Second Revision)			
	IEC 60216-1:2001				
124	IS 8504 (Part	Electrical insulating materials -	January, 2023	-	Identical under dual
		Thermal endurance properties: Part			numbering
	IEC 60216 - 2 : 2005 Reviewed In : 2023				
		endurance properties of electrical insulating materials - Choice of test			
	IEC 00210-2 . 2003	criteria (First Revision)			
125	IS 8504 (Part	Guide for determination of thermal		_	Identical under dual
	3):1994	endurance properties of electrical			numbering
	IEC 60216-3	insulating materials Part 3:			6
	Reviewed In: 2019	Statistical methods			
	IEC 60216-3:1980				
126	IS 8504 (Part	Electrical insulating materials -	January, 2023	-	Identical under dual
	· ·	Thermal endurance properties: Part			numbering
	IEC 60216 - 3 : 2006	į			
	Reviewed In: 2023	thermal endurance characteristics			
107	IEC 60216-3 : 2006	(First Revision)	0 1 2024		X1 .2 1 1 1 1
127	IS 8504 (Part 5/Sec	Electrical Insulating Materials	September, 2024	-	Identical under dual
	1):2012 IEC	-Thermal Endurance Properties -Part 5 Ageing Ovens : Section 1			numbering
	60216_4_1:2006	Single-chamber Ovens			
	Reviewed In : 2024	Single-chamber Ovens			
	IEC 60216-4-1:				
	2006				
128	IS 8504 (Part 5/Sec	Electrical insulating materials -	September, 2024	-	Identical under dual
	2):2012	Thermal endurance properties: Part			numbering
	IEC	5 ageing ovens: Sec 2 precision			
	60216_4_2:2000	ovens for use up to 300°C			
	Reviewed In: 2024				
	IEC 60216-4-2:				
120	2000 IS 8504 (Part 5/Sac)	Floatrical insulating materials	Contembor 2024		Identical under deal
129	IS 8504 (Part 5/Sec 3):2012	Electrical insulating materials - Thermal endurance properties: Part	September, 2024	_	Identical under dual numbering
	3).2012 IEC	5 ageing ovens: Sec 3 multi -			numbering
	60216_4_3:2000	Chamber ovens			
	Reviewed In : 2024	23			
	IEC 60216-4-3 :				
	2000				
130	IS 8504 (Part	Electrical insulating materials -	December, 2024	-	Identical under dual
		Thermal endurance properties: Part			numbering
		6 determination of relative thermal			
	Reviewed In : 2024	endurance index (RTE) of an			
121	IEC 60216-5 : 2008	insulating material	Daggarbar 2024	+	Identical and a day
131	IS 8504 (Part	Electrical insulating materials -	December, 2024	-	Identical under dual
	7):2012 IEC 60216_6:2006	Thermal endurance properties: Part 7 determination of thermal			numbering
	Reviewed In : 2024	endurance indices (TI And RTE)			
	IEC 60216-6 : 2006	of an insulating material using the			
		fixed time frame method			
132	IS 8504 (Part	Electrical insulating materials -	November, 2024	-	Identical under dual
I .		ا		I	1

ı	l 0. •0			1	1
		Thermal endurance properties: Part			numbering
	IEC 60216-8 : 2013	<u> </u>			
	Reviewed In: 2024	thermal endurance characteristics			
100	IEC 60216-8 : 2013	using simplified procedures	N 1 2024		71 2 1 1 1 1
133	IS 8516:2011	Electrical insulating materials -	November, 2024	-	Identical under dual
	IEC 60426 : 2007	Determination of electrolytic			numbering
	Reviewed In: 2024	corrosion caused by insulating			
	IEC 60426 : 2007	materials - Test methods (First			
L		Revision)			
134	IS 8570:1977	Specification for presspaper for	September, 2021	-	Modified/Technically
	Reviewed In: 2021	electrical purposes			Equivalent
	BS 3255 : 1975				
135	IS 9043:1979	Method for grading (By Size) of	September, 2021	-	Modified/Technically
	ISO 444	phlogopite mica blocks, thins and			Equivalent
	Reviewed In: 2021	splittings			
	ISO 444-1965				
136	IS 9044:1979	Method of measuring thickness of	October, 2016	-	Modified/Technically
	ISO 5972	mica blocks, thins, films and			Equivalent
	Reviewed In: 2016	splittings			
	Reaffirmed but not				
	taken up for revision				
	ISO 5972-1978				
137	IS 9045:1979	Thermal classification of	October, 2016	-	Modified/Technically
	ISO 5023	phlogopite mica splittings			Equivalent
	Reviewed In: 2016				
	Reaffirmed but not				
	taken up for revision				
	ISO 5023-1977				
138	IS 9335 (Part	Cellulosic Papers for Electrical		-	Modified/Technically
	1):2024	Purposes â€"Specification Part 1			Equivalent
	IEC 60554-1:1977+	Definitions and General			
	AMD1 1983	Requirements (First Revision)			
139	IS 9335 (Part	Cellulosic Papers for Electrical		-	Identical under dual
	2):2024	Purposes Part 2 Methods of Test			numbering
	IEC 60554-2:2001	(Second Revision)			
	IEC 60554-2:2001				
140	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	1	Modified/Technically
	1):1984	for electrical purposes: Part 3			Equivalent
	IEC 554-3-1	specifications for individual			
	Reviewed In: 2021	materials: Sec 1 general purpose			
	IEC Pub 554-3-1	electrical paper			
141	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	-	Modified/Technically
	2):1985	for electrical purposes: Part 3			Equivalent
	EC Pub 554-3-2	specifications for individual			
	Reviewed In: 2021	materials: Sec 2 capacitor paper			
	IEC Pub 554-3-2				
142	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	-	Modified/Technically
	3):1984	for electrical purposes: Part 3	•		Equivalent
	IEC 554-3-3	specifications for individual			
	Reviewed In: 2021	materials: Sec 3 crepe paper			
	IEC Pub 554-3-3				
L	(1980)				
143	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	-	Modified/Technically
	4):1984	for electrical purposes: Part 3	-		Equivalent
	IEC 554-3-4	specifications for individual			
	Reviewed In: 2021	materials: Sec 4 electrolytic			
	IEC Pub 554-3-4	capacitor paper			
L	(1979)			<u> </u>	
144	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	1	Modified/Technically
I	l `	1 ⁻	•	1	I

	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)	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			
SI. No.	SI. No. Doc No. Title			
	No Records Found			

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

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

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

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

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

Total Published Standards:144 Total Standards Under development:0

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

SI. No.	IS No. & Year	Title
1	IS 13:1949	Methods for Grading Processed Mica Tentative
2	IS 13233:1991	Low voltage high current arc resistance test - method of test
	Reviewed In: 2016	
3	IS 14:1949	Classification of Processed Muscovite Mica Tentative
	TG 1051 1060	
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	Specification for varnished cotton cloth and tape for electrical purposes
	Reviewed In: 2021	
8	IS 350:1968	Organic Baking Impregnating Insulating Varnishes For Electrical Purposes
9	IS 351:1952	Insulated Varnish Baking Bitumen Type
9	13 331.1932	insulated variush 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 sleevings for electrical purposes
	10 5 7 00 11 2 00	, and an program of the control of t
13	IS 4819:1968	Specification for thin vulcanized fibre sheet Including Leatheroid for electrical purposes
	Reviewed In: 2021	
14	IS 4820:1968	Specification for vulcanized fibre sheets electrical purposes
	Reviewed In: 2021	
15	IS 5424:1969	Rubber Mats For Electrical Purpose
	Reviewed In: 2004	
16	IS 7084:1973	Specification for bitumen - Based filling compounds for electrical purposes
	Reviewed In:	
	2018 Document No.	
	68/30345	
17	IS 7755:1975	Specification for high tension insulating cotton tape impregnated with bitumen - Based compound
	Reviewed In: 2018	
18	IS 9299 (Part 1):1979	Insulating materials based on built-up mica or treated mica paper Part 1 Definitions and general
	IEC 60371-1	requirements
	Reviewed In: 2006	
19	IS 9299 (Part 2):1992	Insulating materials based on built-up mica or treated mica paper Part 2 Methods of test
	IEC 60371-1	5
	Reviewed In: 2008	
	110.10.104 111 / 2000	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 meterials 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

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

13	IS 11298 (Part 1):1985	Specification for plastic films for electrical purposes Part 1 definitions and general requirements
	IEC 60674-1	
	Reviewed In: 2021 IEC	
	Publication 674 - 1 (1980)	
14	IS 11298 (Part 3/Sec	Plastic films for electrical purposes - Specification Part 3 specifications for individual materials
	1):1991	Sec 1 polypropylene films for capacitors First Revision
	Reviewed In: 2020 IEC	
	Doc: 15C (Central Office)	
	143	
15	IS 11298 (Part 3/Sec	Plastic films for electrical purposes - Specification Part 3 specifications for individual materials
	2):1990	Sec 2 metallized polypropylene films
	Reviewed In: 2019	
16	IS 11298 (Part 3/Sec	Plastic Films for Electrical Purposes-Specification Part 3 Individual Materials-Specifications
	3):2024	Section 3 Balanced Biaxial Oriented Polyethylene Terephthalate PET Films Used For Electrical
	IEC 60674-3-2:2019	Insulation-Requirements First Revision
17	IS 11298 (Part 3/Sec	Plastic films for electrical purposes Part 3 specifications for individual materials Sec 4
	4):1998	requirements for polycarbonate PC films used for electrical insulation
	IEC 674-3-3	
	Reviewed In: 2025 IEC	
10	PUB 674-3-3 (1992)	
18	IS 11298 (Part 3/Sec	Plastic films for electrical purposes Part 3 specifications for individual materials Sec 8
	8):1998	requirements for fluoroethylene - Propylene FEP films used for electrical insulation
	IEC 674-3-7	
	Reviewed In : 2018 IEC	
10	674-3-7 (1992)	Plactic Films for Floatrical Durages Part 2 individual materials Considerations Continue 5 to 7
19	IS 11298 (Part 3/Sec	Plastic Films for Electrical Purposes Part 3 individual materials-Specifications Sections 5 to 7
	57):2024 IEC 60674-3-4:2022	Requirements for Polyimide Films Used for Electrical Insulation First Revision
	1LC 000/4-3-4;2022	
20	IS 11654 (Part 3/Sec	Specification for flexible insulating sleevings Part 3 specifications for individual types of sleevings
	103):1989	Sec 103 general purpose - Grade sleeving with unilateral tolerances with temperature index 90
	Reviewed In: 2020 IEC	Or a with the state of the stat
	Doc: 15 C (Central Office)	
	204 Sheet 103	
21	IS 11654 (Part 3/Sec	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	403):1989	Sec 403 glass textile sleeving with acrylic based coating - High breakdown strength
	Reviewed In: 2020 IEC	
	Doc 15C (C.O) 200, Sheet	
	403	
22	IS 11654 (Part 3/Sec	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	405):1989	Sec 405 glass textile sleeving with acrylic based coating - Lower breakdown strength
	Reviewed In: 2020 IEC	
	Doc: 15C (Central Office)	
	200, Sheet 405	
23	IS 11654 (Part 3/Sec	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	406):1989	Sec 406 glass textile sleeving with pvc based coating - High breakdown strength
	Reviewed In: 2020 IEC	
	Doc: 15C (Central Office)	
	199, Sheet 406	
24	IS 11654 (Part 3/Sec	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	407):1989	Sec 407 glass textile sleeving with pvc based coating - Medium breakdown strength
	Reviewed In: 2020 IEC	
	Doc: 15C (Central Office)	
	199, Sheet 407	
25	IS 11654 (Part 3/Sec	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	408):1989	Sec 408 glass textile sleeving with pvc based coating - Lower breakdown strength
	Reviewed In: 2020 IEC	
	Doc: 15C (C.O.) 199,	
•	•	

	Sheet 408	1
26	IS 12317 (Part 1):1988	Specification for ceramic and glass insulating materials for telecommunication and allied purposes
	IEC 60672-1	Part 1 general requirements and classification of ceramic and glass insulating materials
	Reviewed In: 2020 IEC	
27	Pub 672-1 (1980) IS 12747 (Part 3):2015	Combined flexible materials for electrical insulation Part 3 specifications for individual materials
27	IEC 60626-3 : 2008	First Revision
	Reviewed In: 2021 IEC	That Revision
	60626-3 : 2008	
28	IS 13465 (Part 3/Sec	Resin based reactive compounds used for electrical insulation Part 3 specifications for individual
	1):2006	materials Sec 1 unfilled epoxy resinous compounds First Revision
	IEC 60455-3-1	
	Reviewed In: 2024 IEC	
20	60455-3-1 : 2003	Desire have described as a second considerable and second considerable and
29	IS 13465 (Part 3/Sec	Resin based reactive compounds used for electrical insulation Part 3 specifications for individual
	2):2006 IEC 60455-3-2	materials Sec 2 quartz filled epoxy resinous compounds First Revision
	Reviewed In : 2024 IEC	
	60455-3-2	
30	IS 13465 (Part 3/Sec	Resin based reactive compounds used for electrical insulation Part 3 specifications for individual
	3):2006	materials Sec 3 unfilled polyurethane compounds First Revision
	IEC 60455-3-3	
	Reviewed In: 2024 IEC	
2.1	60455-3-3 (2003)	
31	IS 13465 (Part 3/Sec 4):2006	Resin based reactive compounds used for electrical insulation Part 3 specifications for - Individual materials Sec 4 filled polyurethane compounds First Revision
	4):2006 IEC 60455-3-4	materials Sec 4 filled polydrethane compounds First Revision
	Reviewed In : 2024 IEC	
	60455-3-4	
32	IS 13465 (Part 3/Sec	Solventless polymerisable resinous compounds used for electrical insulation - Specification Part 3
	5):1998	specifications for individual materials Sec 5 epoxy phenol novolac resin
	Reviewed In: 2018	
33	IS 15652:2006	Insulating mats for electrical purposes - Specification
	IEC 61111 Reviewed In : 2016	
34	IS 1576:1992	Solid pressboard for electrical purposes - Specification First Revision
34	Reviewed In : 2025	Solid pressocial for electrical purposes - Specification first Revision
35	IS 16498 (Part 1):2018	Specification for Pressboard and Presspaper for Electrical Purposes Part 1 Definitions and
	IEC 60641-1:2007	General Requirements
	Reviewed In: 2024 IEC	
	60641-1 : 2007	
36	IS 16498 (Part 3/Sec	Specification for Pressboard and Presspaper for Electrical Purposes Part 3 Specifications for Individual Materials Shoot 1 Requirements for pressboard types P.O.1 P.O.3 P.O.1 P.O.3 P.O.1 P.O.3 P.O.1 P.O.3
	1):2019 IEC 60641-3-1 : 2008	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
	Reviewed In : 2024 IEC	0 d and 0 0 1
	60641-3-1 : 2008	
37	IS 16498 (Part 3/Sec	Specification for Pressboard and Presspaper for Electrical Purposes Part 3 Specifications for
	2):2019	Individual Materials Sheet 2 Requirements for Presspaper Types P 2 1 P 4 1 P 4 2 P 4 3 and P 6 1
	60641-3-2 : 2007	
	Reviewed In: 2024 IEC	
38	60641-3-2 : 2007 IS 16400 (Part 1):2017	Laminated Pressboard for Floatrical Dumases Bart 1 Definitions Classification and Convert
38	IS 16499 (Part 1):2017 IEC 60763-1 : 2010	Laminated Pressboard for Electrical Purposes Part 1 Definitions Classification and General Requirements
	Reviewed In : 2024 IEC	Requirements
	60763-1:2010	
39	IS 16499 (Part 3/Sec	Laminated Pressboard for Electrical Purposes Part 3 Specifications for Individual Materials Sheet
	1):2019	1 Requirements for Laminated Pre Compressed Pressboard Types LB3 1A 1 and LB3 1A 2
1	IEC 60763-31:2010	
ļ	Reviewed In: 2024 IEC	

	60763-3-1 : 2010	
40	IS 2448 (Part 1):1963	Specification for adhesive insucating tapes for electrical purposes Part 1 tapes with cotton textile
	Reviewed In: 2020	substrates
	Reaffirmed but not taken up	
	for revision B.S. 1078:	
	1954	
41	IS 2464:1963	Specification for built-up mica for electrical purposes
	Reviewed In: 2018 DIN	
	57332 : 1949, BS 626 :	
	1946, NEMA PUB. No	
	ME-1 1956	
42	IS 4248:1967	Specification for non - Ignitable and self - Extinguishing boards With Mineral Base for electrical
	Reviewed In: 2024	purposes
43	IS 5711:1970	Specification for vulcanized fibre rods and tubes for electrical purposes
	Reviewed In: 2025 B.S.	purposes
	67/5744	
44	IS/IEC 60371-1:2003	Specification for insulating materials based on MICA Part 1 definitions and general requirement
• • •	Reviewed In: 2024 IEC	operited to instituting materials sused on when I are I definitions and general requirement
	60371: Part 1 : 2003	
45	IS/IEC 60371-3-1:2006	Specification for insulating materials based on mica Part 3 Specification for individual material
73	Reviewed In : 2024	Section 1 Commutator Separators and materials
46	IS/IEC 60371-3-2:2005	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual
40	Reviewed In : 2024 IEC	Materials Section 2 Mica Paper
	60371-3-2:2005	Materials Section 2 Mica Paper
47	IS/IEC 60371-3-3:1983	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual
47		
	IEC 60371-3-3; 1983	Materials Section 3 Specification for Rigid Mica Materials for Heating Equipment
	Reviewed In : 2021 IEC	
40	60371-3-3;1983	Consideration for installation and sixtally MICA Day 2 Consideration for individual models
48	IS/IEC 60371-3-4:1992	Specification for insulating materials based on MICA Part 3 Specifications for individual material
	IEC 60371 : Part 3 : Sec 4	Section 4 Polyester film-backed mica paper with a B-stage epoxy resin binder
	Reviewed In: 2021 IEC	
40	60371 : Part 3 : Sec 4	
49	IS/IEC 60371-3-5:2005	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual
	IEC 60371-3-5 : 2005	Materials Section 5 Glass-Backed Mica Paper with an Epoxy Resin Binder for Post Impregnatio
	Reviewed In: 2022 IEC	VPI
7 0	60371-3-5 : 2005	
50	IS/IEC 60371-3-6:1992	Specification for Insulating Materials based on MICA Part 3 Specifications for Individual
	IEC 60371 : Part 3 : Sec 6 :	Materials Section 6 Glass backed Mica Paper with a B-stage Epoxy Resin Binder
	199	
	Reviewed In: 2022 IEC	
	60371-3-6 : 1992	
51	IS/IEC 60371-3-7:1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual
	IEC 60371_3_7:1995	Materials Section 7 Polyester Film Mica Paper with an Epoxy Resin Binder for Single Conductor
	Reviewed In: 2022 IEC	Taping
	60371-3-7:1995	
52	IS/IEC 60371-3-8:1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual
	IEC 60371 : Part 3 :Sec 8 :	Materials Section 8 Mica Paper Tapes for Flame Resistant Security Cables
	1995	
	Reviewed In: 2022 IEC	
	60371 : Part 3 :Sec 8 : 1995	
53	IS/IEC 60371_3_9:1995	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual
	IEC 60371-3-9: 1995	Materials Section 9 Moulding Micanite
	Reviewed In: 2022 IEC	
	60371-3-9 : 1995	
54	IS/IEC 60667-1:2020	Vulcanized fibre for Electrical Purposes Part 1 Definitions and General Requirements
	IEC 60667-1:2020	•
	1	
55	IS/IEC 60667-3-1):2020	Vulcanized Fibre for Electrical Purposes Part 3 Individual Materials Specifications Section 1 Fla

1		
56	IS 6230:1970	Specification for woven asbestos tape for electrical insulating purposes
	Reviewed In: 2018	
	Reaffirmed but not taken up	
	for revision BS 1944: 1953	
57	IS 7809 (Part 3/Sec 1):1986	
	IEC 60454-2	requirements or individual materials Sec 1 plasticized polyvinylchloride tapes with non -
	Reviewed In: 2024 IEC	Thermosetting adhesive First Revision
	454-3-1:1976	
58	IS 7809 (Part 3/Sec 2):1981	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 Specifications for
	Reviewed In: 2021 IEC	individual materials Sec 2 Polyester film tapes PETP with thermosetting adhesive
	Doc: 15C (Central Office)	
	105	
59	IS 7809 (Part 3/Sec 3):1981	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 specification for
	Reviewed In: 2021 IEC	individual materials Sec 3 polyster film tapes PETP with non - Thermosetting adhesive
	Doc: 15C (C.0) 106	
60	IS 7809 (Part 3/Sec 4):1977	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 specifications for
	Reviewed In: 2024 IEC	individual materials Sec 4 cellulosic paper creped with thermosetting adhesive
	Doc: 15C (Central Office) 57	
61	IS 7809 (Part 3/Sec 5):1977	Specification for pressure sensitive adhesive tapes for electrical purposes Part 3 specifications for
	Reviewed In : 2021 IEC	individual materials Sec 5 cellulosic paper with thermosetting adhesive
	Doc: 15C (Central Office)	marviadar materiais see 5 centrosie paper with thermosetting adhesive
	58	
62	IS 8504 (Part 5/Sec 1):2012	Electrical Insulating Materials -Thermal Endurance Properties -Part 5 Ageing Ovens Section 1
	IEC 60216_4_1:2006	Single-chamber Ovens
	Reviewed In: 2024 IEC	
	60216-4-1 : 2006	
63	IS 8504 (Part 5/Sec 2):2012	Electrical insulating materials - Thermal endurance properties Part 5 ageing ovens Sec 2 precision
	IEC 60216_4_2:2000	ovens for use up to 300 C
	Reviewed In: 2024 IEC	
	60216-4-2 : 2000	
64	IS 8504 (Part 5/Sec 3):2012	Electrical insulating materials - Thermal endurance properties Part 5 ageing ovens Sec 3 multi -
	IEC 60216_4_3:2000	Chamber ovens
	Reviewed In: 2024 IEC	
	60216-4-3 : 2000	
65	IS 8570:1977	Specification for presspaper for electrical purposes
	Reviewed In: 2021 BS	
	3255 : 1975	
66	IS 9335 (Part 3/Sec 1):1984	
	IEC 554-3-1	materials Sec 1 general purpose electrical paper
	Reviewed In: 2021 IEC Pub 554-3-1	
67	IS 9335 (Part 3/Sec 2):1985	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual
	EC Pub 554-3-2	materials Sec 2 capacitor paper
	Reviewed In : 2021 IEC	materials see 2 capacitor paper
	Pub 554-3-2	
68	IS 9335 (Part 3/Sec 3):1984	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual
	IEC 554-3-3	materials Sec 3 crepe paper
	Reviewed In: 2021 IEC	
	Pub 554-3-3 (1980)	
69	IS 9335 (Part 3/Sec 4):1984	Specification for cellulosic papers for electrical purposes Part 3 specifications for individual
	IEC 554-3-4	materials Sec 4 electrolytic capacitor paper
	Reviewed In: 2021 IEC	
	Pub 554-3-4 (1979)	
70	IS 9335 (Part 3/Sec 5):1985	
	IEC 554-3-5	materials Sec 5 special papers
	Reviewed In: 2021 IEC	
	Pub 554-3-5 : 1984	