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):	Insulating varnishes containing	May, 2018	=	Modified/Technically
	1998	solvents: Part 1 definitions and			Equivalent
	IEC 60464-1	general requirements (First			
	Reviewed In: 2018	Revision)			
	464-1:1976				
2	IS 10026 (Part 2):	Insulating varnishes containing		-	Modified/Technically
	1999	solvents: Part 2 methods of tests			Equivalent
	IEC 60464-2	(First Revision)			
	Reviewed In: 2019				
	IEC Publication				
	464-2 (1986)				
3	IS 10026 (Part 3/Sec	Insulating varnishes containing		=	Modified/Technically
	1): 1999	solvents: Part 3 specifications for			Equivalent
	IEC 60464-3-1	individual materials: Sec 1			
	Reviewed In: 2019	requirements for cold curing			
		finishing varnishes (First Revision)			
	464-3-1 (1986)				
4	IS 10026 (Part 3/Sec	Insulating varnishes containing	January, 2019	1	Identical under dual
	2):1999	solvents: Part 3 specifications for			numbering
	IEC 60464-3-2	individual materials: Sec 2			
	Reviewed In: 2019	requirements for hot curing			
<u> </u>	IEC 60464-3-2	varnishes (First Revision)	2 1 2016		
5	IS 10026 (Part 3/Sec	Specification for insulating	October, 2016	1	Indigenous
	3):1983	varnishes containing solvents: Part			
	Reviewed In: 2016	3 specifications for individual			
		materials: Sec 3 air drying			
		varnishes with temperature index			
	IC 10006 (Dout 2/C	130	Ostober 2016	1	Indiannos
6	IS 10026 (Part 3/Sec	Specification for insulating	October, 2016	1	Indigenous
	4): 1983 Reviewed In: 2016	varnishes containing solvents: Part 3 specifications for individual			
	Keviewed III: 2010	-			
		materials: Sec 4 baking varinishes			

ı		with townsmotors index 120		I	I
7	IS 10026 (Part 3/Sec	with temperature index 120 Specification for insulating	October, 2016	1	Indigenous
'	5): 1983	varnishes containing solvents: Part	October, 2010	1	margenous
	Reviewed In: 2016	3 specifications for individual			
	Reviewed III . 2010	materials: Sec 5 baking varnishes			
		with temperature index 130			
8	IS 10026 (Part 3/Sec		October, 2016	1	Indigenous
"	6): 1983	varnishes containing solvents: Part	October, 2010	1	margenous
	Reviewed In: 2016	3 specifications for individual			
	Reviewed III . 2010	materials: Sec 6 baking varnishes			
		with temperature index 155			
9	IS 10026 (Part 3/Sec		March, 2021	1	Indigenous
´	7): 1983	varnishes containing solvents: Part	With Cit, 2021	1	indigenous
	Reviewed In: 2021	3 specifications for individual			
	Reviewed III . 2021	materials: Sec 7 baking varnishes			
		with temperature index 180			
10	IS 10026 (Part 3/Sec		April, 2018		Indigenous
10	8): 1986	varnishes containing solvents: Part	Aprii, 2016	_	margenous
	Reviewed In : 2018	_			
	Kevieweu III : 2018	3 specifications for individual			
		materials: Sec 8 baking varnishes			
11	IS 10026 (Part 3/Sec	with temperature index 200 Specification for insulating	April 2010	+	Indiagnous
11	9): 1986	1	April, 2018	-	Indigenous
	9): 1986 Reviewed In : 2018	varnishes containing solvents: Part 3 specifications for individual			
	Reviewed in : 2018	=			
		materials: Sec 9 baking varnishes			
		with temperature index 130 for			
12	IC 10162 (Dant 1)	magnetic core sheets	A mail 2019		Modified/Tasksiss11-
12	1982	Recommended methods of tests for the determination of dielectric	April, 2018	_	Modified/Technically Equivalent
					Equivalent
	Reviewed In : 2018	properties of insulating materials at frequencies above 300 MHZ: Part			
	IEC Pub 377-1 (
	1973)	1 general			
13	IS 10192 : 1982	Specification for synthetic resin	October, 2020	1	Modified/Technically
13	Reviewed In: 2020	bonded glass fibre (SRBGF) for	0010001, 2020	1	Equivalent
	ISO/R 179-1961 etc				Equivalent
14	IS 10333 : 1982	Specification for epoxy resin	April, 2018	_	Indigenous
1.	Reviewed In: 2018	systems for cast resin insulated	7 tpm, 2010		margenous
	iteviewed in . 2010	power and control cable joints and			
		terminations up to and including 11			
		kV			
15	IS 10581 : 1983	Methods of test for the	October, 2020	-	Modified/Technically
10	IEC 60589	determination of ionic impurities	2 2 3 3 5 2 7 , 2 6 2 6		Equivalent
		in electrical insulating materials by			q
	IEC Pub 589 (1977	extraction with liquids			
)				
16	IS 11182 (Part 1):	Guide for the evaluation of	March, 2021	-	Modified/Technically
	1984	insulation systems of electrical	, - 		Equivalent
	IEC 60611	equipment: Part 1 identification,			1
	Reviewed In: 2021	evaluation and ageing mechanisms			
	IEC Pub 505 (1975),				
	IEC Pub 610 (1978)				
17	IS 11182 (Part 2):	Guide for the evaluation of	March, 2021	-	Modified/Technically
	1984	insulation systems of electrical	, -		Equivalent
	IEC 60611	equipment: Part 2 thermal			
	Reviewed In: 2021	endurance test procedures			
	IEC Pub 611 (1978)	r 22233223			
18	IS 11182 (Part 3/Sec	Guide for the evaluation of	March, 2021	-	Modified/Technically
	1): 1986	insulation systems of electrical	•		Equivalent
				1	1

	IEC 60727-1 Reviewed In : 2021	equipment: Part 3 electrical endurance test procedures: Sec 1			
	IEC Pub 727-1 (1982)	general considerations and evaluation procedures based on			
19	IS 11182 (Part 3/Sec	normal distributions Guide for the evaluation of	March, 2021		Identical under dual
19	2) : 1996	insulation systems of electrical	March, 2021	-	numbering
	IEC 60727-3	equipment: Part 3 electrical			numbering
	Reviewed In: 2021	endurance test procedures: Sec 2			
	IEC 60727-3	evaluation procedures based on			
	120 00/2/ 3	extreme - Value distributions			
20	IS 11182 (Part 5):	Guide for evaluation of insulation		-	Identical under dual
	1993	systems of electrical equipment:			numbering
	IEC 941	Part 5 mechanical endurance			
	Reviewed In: 2019	functional tests			
	IEC Pub 941 (1988				
L)				
21	IS 11182 (Part 6):	Guide for the evaluation of	March, 2021	-	Modified/Technically
	1986	insulation systems of electrical			Equivalent
	Reviewed In: 2021 IEC Doc: 63 (equipment: Part 6 performance evaluation based on service			
	Central Office) 19	evaluation based on service experience and functional tests			
22	IS 11182 (Part 7/Sec		March, 2021	_	Modified/Technically
	1): 1986	insulation systems of electrical	Waren, 2021		Equivalent
	Reviewed In: 2021	equipment: Part 7 multi-factor			Equivalent
	IEC Doc 63 (functional testing: Sec 1 test			
	Central Office) 20	procedures			
23	IS 11221 : 1984	Recommended test methods for	April, 2021	-	Modified/Technically
	IEC 60343	determining the relative resistance			Equivalent
	Reviewed In: 2021	of insulating materials to			
L	IEC Pub 343-1970.	breakdown by surface discharges			
24	IS 11256 (Part 1):	Method of test for determination	October, 2016	-	Modified/Technically
	1985	of thermal endurance of insulating			Equivalent
	IEC 60370 Reviewed In: 2016	varnishes: Part 1 electric strength method			
	IEC publication 370				
	(1971)				
25	IS 11256 (Part 2):	Method of test for determination	April, 2021	_	Modified/Technically
	1985	of thermal endurance of insulating	F ,		Equivalent
	Reviewed In: 2021	varnishes: Part 2 measurement of			1
	DIN 46456	loss of mass			
26	IS 11256 (Part 3):	Method of test for determination	April, 2021	-	Modified/Technically
	1985	of thermal endurance of insulating			Equivalent
	IEC 60290	varnishes: Part 3 bond strength by			
	Reviewed In : 2021	helical coil method			
27	IEC 290 (1969)	Specification for varnished febrics	Morah 2021	1	Modified/Technically
27	18 11297 (Part 1): 1985	Specification for varnished fabrics for electrical purposes: Part 1	March, 2021	1	Modified/Technically Equivalent
	Reviewed In: 2021	definitions and general			Equivalent
	IEC Pub 394-1 (requirements			
	1972), BS 419:	requirements			
	1958				
28		Specification for varnished fabrics	October, 2020	-	Modified/Technically
	1988	for electrical purposes: Part 2			Equivalent
	Reviewed In: 2020	methods of tests			
	IEC Publication				
L	394-2 (1972)		0 1 1)
29	· ·	Specification for varnished fabrics	October, 2020	-	Modified/Technically
	1): 1988	for electrical purposes: Part 3			Equivalent

ĺ	Reviewed In: 2020	specifications for individual		I	1
		specifications for individual materials: Sec 1 glass fabric backed			
	Central Office) 159				
30	IS 11298 (Part 1):	Specification for plastic films for	March, 2021	 -	Identical under dual
	1985	electrical purposes: Part 1	Waren, 2021		numbering
	IEC 60674-1	definitions and general			numeting.
	Reviewed In: 2021	requirements			
	IEC Publication 674	-			
	- 1 (1980)				
31	IS 11298 (Part 2):	Plastic Films for Electrical		-	Identical under dual
	2024	Purposes � Specification Part 2			numbering
	IEC 60674-2:2016	Methods of Test (Second Revision)			
	IEC 60674-2:2016				
32	IS 11298 (Part 3/Sec	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>			
		Revision)			
33	· ·	Plastic films for electrical purposes		1	Indigenous
	2): 1990	- Specification: Part 3			
	Reviewed In: 2019	specifications for individual			
		materials: Sec 2 metallized			
2.1	VG 11200 /P + 2/G	polypropylene films			T.
34	IS 11298 (Part 3/Sec			-	Identical under dual
	3): 2024	Purposes � Specification Part 3			numbering
	IEC 60674-3-2:2019	· ·			
	IEC	Specifications Section 3 Balanced			
	60674-3-2:2019	Biaxial Oriented Polyethylene			
		Terephthalate (PET) Films Used			
		For Electrical Insulation � Requirements (First Revision)			
35	IS 11298 (Part 3/Sec		July, 2018		Identical under dual
	4): 1998	purposes: Part 3 specifications for	July, 2016		numbering
	IEC 674-3-3	individual materials: Sec 4			numbering
	Reviewed In: 2018	requirements for polycarbonate			
	IEC PUB 674-3-3 ((PC) films used for electrical			
	1992)	insulation			
36	IS 11298 (Part 3/Sec		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	Plastic Films for Electrical		-	Identical under dual
	57): 2024	Purposes Part 3 individual			numbering
	IEC 60674-3-4:2022	0 1			
	IEC	Sections 5 to 7 Requirements for			
	60674-3-4:2022	Polyimide Films Used for			
		Electrical Insulation (First			
<u> </u>	70.445-1	Revision)			
38	IS 11654 (Part 1):	Flexible Insulating Sleeving Part 1		-	Identical under dual
	2024	Definitions and General			numbering
	IEC 60667-1:2020	Requirements (First Revision)			
<u></u>	IEC 60684-1:2003				71
39	IS 11654 (Part 2):	Flexible Insulating Sleeving Part 2		-	Identical under dual
	2024	Methods of Test (First Revision)			numbering
	IEC 60684-2:2011				
<u> </u>	IEC 60684-2:2011			+	+
		•			·

40	IS 11654 (Part 3/Sec	Specification for flexible insulating	October, 2020	-	Modified/Technically
	1): 1988	sleeving: Part 3 specifications for			Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec 1			
	IEC Doc 15C	general purpose grade sleeving with			
	(Central Office) 204	temperature index 90			
	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		Specification for flexible insulating	October, 2020	-	Modified/Technically
	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		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		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,	0 0			
	Sheet 406	strength			
46	· ·	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			
L	Sheet 407	breakdown strength	0 / 1 2000)
47	· ·	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			
40	408	strength Mathods of test for determination	A:1 2021		Identical and a dead
48	IS 11731 (Part 1):	Methods of test for determination	April, 2021	-	Identical under dual
	1986 IEC 60107	of flammability of solid electrical			numbering
	Reviewed In : 2021	insulating materials when exposed			
		to an igniting source: Part 1 horizontal specimen method			
49	IEC 60707 (1981) IS 11731 (Part 2):	Methods of test for determination	April, 2021	_	Modified/Technically
70	1986	of flammability of solid electrical	Aprii, 2021	_	Equivalent
	IEC 60707	insulating materials when exposed			Equivalent
	Reviewed In: 2021	to an igniting source: Part 2 vertical			
	IEC Pub 707 (1981	specimen method			
)	operation method			
	,			 	

50	IS 1175 : 1981 ISO 67 Reviewed In : 2016	Methods for grading and classification of muscovite mica blocks, thins and films (First	October, 2016	-	Indigenous
51	IS 11755 : 1986 IEC 60345	Revision) Method of test for Determination of electrical Resistance and	April, 2021	-	Modified/Technically Equivalent
		resistivity of Insulating materials at elevated Temperatures			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	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: 2016 IEC 60626-1: 2009	Combined flexible materials for electrical insulation: Part 1 definitions and general requirements (First Revision)	August, 2016	-	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	October, 2016	-	Indigenous

	Reviewed In: 2016	fabric for electrical applications - Specification			
63	IS 13335 : 1992 Reviewed In : 2018	Muscovite mica scrap for mica paper - Specification	April, 2018	-	Indigenous
64	IS 13357 : 1992 Reviewed In : 2018 ASTM : D2131	Methods of grading and visual classification of muscovite mica splittings	April, 2018	-	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	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	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	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	IS 13508 : 1992 IEC 60894 Reviewed In : 2018 IEC 60894 (1987)	Test procedure for measurement of loss tangent angle of coils and bars for machine winding - Guide	February, 2018	1	Identical under dual numbering
74	IS 13884 : 1993 Reviewed In : 2018	Muscovite mica flakes and mica powder for industrial applications	April, 2018	-	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 : 2019	Method of test for high voltage low current dry arc resistance of solid electrical insulation	March, 2019	-	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 IEC 61111	Insulating mats for electrical purposes - Specification	April, 2016	2	Identical under dual numbering
80	IS 1576 : 1992 Reviewed In : 2018	Solid pressboard for electrical purposes - Specification (First Revision)	April, 2018	2	Indigenous
81	IS 16498 (Part : Part) : 2017 IEC 60641-2 : 2004 IEC 60641-2 : 2004			-	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.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 IEC 60763-1: 2010	· ·		-	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

I 00	IS 2260 - 1072	Dungan diki aning gan diki aning and l	A	ı	Modified/Technicalle
88	IS 2260: 1973	Preconditioning, conditioning and	April, 2018	-	Modified/Technically
		testing of solid electrical insulating			Equivalent
- 00	IEC Pub 212 (1971)	materials (First Revision)	0-4-1 2020	-	M - 1'C' - 1/T1'11
89	IS 2448 (Part 1):	Specification for adhesive	October, 2020	5	Modified/Technically
	1963	insucating tapes for electrical			Equivalent
	Reviewed In: 2020	purposes: Part 1 tapes with cotton			
- 00	B.S. 1078 : 1954	textile substrates			26 1161 157 1 1 1
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	Modified/Technically
	Reviewed In: 2021	of solid insulating materials at			Equivalent
	bs 2918, iec doc 15	power frequencies			
	(sec) 50				
92	IS 2824 : 2007	Method for the determination of	November, 2017	-	Identical under dual
	IEC 60112 : 2003	the proof and the comparative			numbering
	Reviewed In: 2017	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
	Reviewed In: 2021	surface resistivity of solid electrical			Equivalent
	IEC Document 15A	insulating materials (First			_
	(Central Office) 35	Revision)			
94	IS 4248 : 1967	Specification for non - Ignitable	April, 2018	=	Modified/Technically
	Reviewed In: 2018	and self - Extinguishing boards	1 /		Equivalent
	Draft B.S. 66/3994	(With Mineral Base) for electrical			1
	,Draft B.S. 66/3995	purposes			
95	IS 4249 : 1967	Classification and methods of tests	April, 2018	1	Modified/Technically
	Reviewed In: 2018	for non - Ignitable and self -	r ,		Equivalent
	B.S. 738 : 1937,	Extinguishing properties of solid			_qu.\u.v
	Draft B. S. 66/3994				
96	IS 4486 : 1967	Recommended methods for the	April, 2018	_	Modified/Technically
	Reviewed In: 2018	determination of the permittivity	7 tpm, 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	000001, 2020]	Equivalent
	ERA Report No.	insulating materials			Equivalent
	5234:	msulating materials			
98	IS 5711 : 1970	Specification for unlassicad files	April 2010	1	Modified/Technically
98		Specification for vulcanized fibre	April, 2018	_	Modified/Technically
	Reviewed In : 2018	rods and tubes for electrical			Equivalent
00	B.S. 67/5744	purposes Specification for inculating	November 2004		Identical and a selection
99	IS/IEC 60371-1:	Specification for insulating	November, 2024	_	Identical under single
	2003	materials based on MICA: Part 1			numbering
	Reviewed In: 2024	definitions and general			
	IEC 60371: Part 1:	requirements			
100	2003	Constitution Constitution	N. 1 2024		Td.,,41, 1, 1, 1, 1
100	IS/IEC 60371-2:	Specification for insulating	November, 2024	-	Identical under single
	2004	materials based on MICA: Part 2			numbering
	IEC 60371-2:2004	methods of test			
	Reviewed In: 2024				
	IEC 60371: PART 2				
101	IS/IEC 60371-3-1:	Specification for insulating	September, 2024	-	Identical under single
	2006	materials based on mica, Part 3			numbering
	Reviewed In: 2024	Specification for individual			
1	I	1		1	ı

		materials, Section 1 Commutator			
102	IC/IEC (0271 2 2	Separators and materials	C		Identical and a single
102	IS/IEC 60371-3-2:	Specification for Insulating	September, 2024	-	Identical under single
	2005	Materials Based on MICA, Part 3			numbering
	Reviewed In : 2024	Specification for Individual			
102	IEC 60371-3-2:2005	1	4		T1 .: 1 . 1 . 1
103	IS/IEC 60371-3-3:	Specification for Insulating	August, 2021	-	Identical under single
	1983	Materials Based on MICA, Part 3			numbering
	IEC 60371-3-3;	Specification for Individual			
	1983	Materials Section 3 Specification			
	Reviewed In: 2021	for Rigid Mica Materials for			
	IEC 60371-3-3;	Heating Equipment			
101	1983		2021		
104	IS/IEC 60371-3-4:	Specification for insulating	August, 2021	-	Identical under single
	1992	materials based on MICA, Part 3			numbering
	IEC 60371 : Part 3 :	Specifications for individual			
	Sec 4	materials Section 4 Polyester film-			
	Reviewed In: 2021	backed mica paper with a B-stage			
	IEC 60371 : Part 3 :	epoxy resin binder			
105	Sec 4 IS/IEC 60371-3-5:	Charification for Investment	Morral 2022	1	Identical and a selection
105	2005	Specification for Insulating Materials Based on MICA, Part 3	March, 2022	_	Identical under single numbering
	IEC 60371-3-5 :	· · · · · · · · · · · · · · · · · · ·			numbering
	2005	Specification for Individual Materials, Section 5 Glass-Backed			
	Reviewed In: 2022	Mica Paper with an Epoxy Resin			
	IEC 60371-3-5:	Binder for Post Impregnation			
	2005	(VPI)			
106	IS/IEC 60371-3-6:	Specification for Insulating	March, 2022	_	Identical under single
100	1992	Materials based on MICA, Part 3	11141011, 2022		numbering
	IEC 60371 : Part 3 :	Specifications for Individual			
	Sec 6: 199	Materials, Section 6 Glass backed			
	Reviewed In: 2022	Mica Paper with a B-stage Epoxy			
	IEC 60371-3-6:	Resin Binder			
	1992				
107	IS/IEC 60371-3-7:	Specification for Insulating	March, 2022	-	Identical under single
	1995	Materials Based on MICA Part 3			numbering
	IEC	Specification for Individual			
	60371_3_7:1995	Materials Section 7 Polyester Film			
	Reviewed In: 2022	Mica Paper with an Epoxy Resin			
	IEC 60371-3-7:1995	Ų			
		Taping		ļ	
108	IS/IEC 60371-3-8:	Specification for Insulating	April, 2022	-	Identical under single
	1995	Materials Based on MICA Part 3			numbering
	IEC 60371 : Part 3	Specification for Individual			
	:Sec 8 : 1995	Materials Section 8 Mica Paper			
	Reviewed In: 2022	Tapes for Flame Resistant Security			
	IEC 60371 : Part 3	Cables			
100	:Sec 8 : 1995	Charification for Investment	Mar. 2022	1	Identical and a selection
109	IS/IEC 60371_3_9: 1995	Specification for Insulating Materials Based on MICA Part 3	May, 2022	_	Identical under single
	1995 IEC 60371-3-9 :				numbering
	1995	Specification for Individual			
	1995 Reviewed In : 2022	Materials Section 9 Moulding Micanite			
	IEC 60371-3-9:	Micante			
	1995				
110	IS/IEC 60667-1 :	Vulcanized fibre for Electrical		 -	Identical under single
110	2020	Purposes Part 1 Definitions and			numbering
	IEC 60667-1:2020	General Requirements			numbering
	IEC 60667-1:2020	Constant requirements			
$\overline{}$	1.2020			†	

111	IS/IEC 60667-2 :	Vulcanized fibre for electrical		-	Identical under single
	2020 IEC 60667-2:2020	purposes Part 2 Methods of test			numbering
112	IEC 60667-2:2020 IS/IEC 60667-3-1) :	Vulcanized Fibre for Electrical			Identical under single
112	2020	Purposes Part 3 Individual		-	numbering
	IEC 60667-3-1:2020	=			namooning
	IEC	Section 1 Flat Sheets			
	60667-3-1:2020				
113	IS 6230 : 1970	Specification for woven asbestos	April, 2018	-	Modified/Technically
	Reviewed In: 2018	tape for electrical insulating			Equivalent
	BS 1944 : 1953	purposes			
114	IS 6659 : 1976	Electronic Grade Ceramic	April, 2021	-	Indigenous
115	Reviewed In: 2021 IS 7084: 1973	Materials Specification for bitumen - Based	Monah 2019	1	Modified/Technically
113	Reviewed In : 2018	filling compounds for electrical	March, 2018	1	Equivalent
	Document No.	purposes			Equivalent
	68/30345	parposes			
116	IS 7571 : 1974	Methods of tests for ceramics for	October, 2020	-	Modified/Technically
	Reviewed In: 2020	telecommunication and allied			Equivalent
	VDE 0303 Part	purposes			
	4/10.55 , VDE				
	0335/7.56				
117	IS 7755 : 1975	Specification for high tension	April, 2018	-	Indigenous
	Reviewed In: 2018	insulating cotton tape impregnated			
118	IS 7809 (Part 1):	with bitumen - Based compound Specification for pressure sensitive	January, 2023	2	Modified/Technically
110	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	1 1 1 1 1			
119	IS 7809 (Part 2):	Specification for pressure sensitive	April, 2021	1	Indigenous
	1977	adhesive tapes for electrical			
	IEC 60454-2	purpose: Part 2 methods of test			
120	Reviewed In : 2021	G 'C' 'C C '.'	0 (1 2016	2	N 1'C' 1/TC 1 ' 11
120	1): 1986	Specification for pressure sensitive	October, 2016	2	Modified/Technically
	IEC 60454-2	adhesive insulating tapes for electrical purposes: Part 3			Equivalent
	Reviewed In: 2016	requirements or individual			
	IEC 454-3-1:1976	materials: Sec 1 plasticized			
		polyvinylchloride tapes with non -			
		Thermosetting adhesive (First			
		Revision)			
121		Specification for pressure sensitive	April, 2021		Modified/Technically
	2):1981	adhesive tapes for electrical			Equivalent
		purposes: Part 3 Specifications for			
	IEC Doc: 15C (Central Office) 105	individual materials: Sec 2			
	Central Office) 105	Polyester film tapes (PETP) with thermosetting adhesive			
122	IS 7809 (Part 3/Sec.	Specification for pressure sensitive	April, 2021	-	Modified/Technically
	3): 1981	adhesive tapes for electrical	p, --		Equivalent
	Reviewed In: 2021	purposes: Part 3 specification for			
	IEC Doc: 15C (C.0	individual materials: Sec 3 polyster			
		film tapes (PETP) with non -			
) 106	÷ ' '			
	,	Thermosetting adhesive			
123	IS 7809 (Part 3/Sec	Thermosetting adhesive Specification for pressure sensitive	April, 2018	-	Modified/Technically
123	IS 7809 (Part 3/Sec 4): 1977	Thermosetting adhesive Specification for pressure sensitive adhesive tapes for electrical	April, 2018	-	Modified/Technically Equivalent
123	IS 7809 (Part 3/Sec	Thermosetting adhesive Specification for pressure sensitive	April, 2018	-	•

	Central Office) 57	cellulosic paper, creped with thermosetting adhesive			
124	5): 1977	Specification for pressure sensitive adhesive tapes for electrical	April, 2021	-	Modified/Technically Equivalent
	Reviewed In: 2021 IEC Doc: 15C (purposes: Part 3 specifications for individual materials: Sec 5			
	·	cellulosic paper with thermosetting adhesive			
125	IS 8504 (Part 1): 2012	Electrical insulating materials - Thermal endurance properties: Part		-	Identical under dual
		1 ageing procedures and evaluation			numbering
	Reviewed In: 2017	of test results (Second Revision)			
126	IEC 60216-1 : 2001 IS 8504 (Part 2) :	Electrical insulating materials -	January, 2023	_	Identical under dual
	2013	Thermal endurance properties: Part	y ,		numbering
	IEC 60216 - 2 : 2005				
	Reviewed In: 2023 IEC 60216-2: 2005	endurance properties of electrical insulating materials - Choice of test			
		criteria (First Revision)			
127	IS 8504 (Part 3) : 1994	Guide for determination of thermal		-	Identical under dual
	IEC 60216-3	endurance properties of electrical insulating materials Part 3:			numbering
	Reviewed In: 2019	Statistical methods			
128	IEC 60216-3 : 1980 IS 8504 (Part 4) :	Electrical insulating materials -	January, 2023	1	Identical under dual
120	, , ,	Thermal endurance properties: Part	January, 2023	-	numbering
	IEC 60216 - 3 : 2006	4 instructions for calculating			
	Reviewed In: 2023 IEC 60216-3: 2006	thermal endurance characteristics (First Revision)			
129	IS 8504 (Part 5/Sec	Electrical Insulating Materials	September, 2024	-	Identical under dual
	1): 2012	-Thermal Endurance Properties			numbering
	IEC 60216_4_1:2006	-Part 5 Ageing Ovens : Section 1 Single-chamber Ovens			
	Reviewed In : 2024	onigie chamber ovens			
	IEC 60216-4-1:				
130	2006 IS 8504 (Part 5/Sec	Electrical insulating materials -	September, 2024	<u> </u>	Identical under dual
130	,	Thermal endurance properties: Part	September, 2021		numbering
	IEC	5 ageing ovens: Sec 2 precision			
	60216_4_2:2000 Reviewed In : 2024	ovens for use up to 300°C			
	IEC 60216-4-2:				
131	2000 IS 8504 (Part 5/Sec	Electrical inculating materials	Santambar 2024	1	Identical under dual
131	,	Electrical insulating materials - Thermal endurance properties: Part	September, 2024	_	numbering
	IEC	5 ageing ovens: Sec 3 multi -			
	60216_4_3:2000 Reviewed In : 2024	Chamber ovens			
	IEC 60216-4-3 :				
	2000			1	
132	IS 8504 (Part 6): 2012	Electrical insulating materials - Thermal endurance properties: Part		-	Identical under dual numbering
		6 determination of relative thermal			numbering
	Reviewed In: 2017	endurance index (RTE) of an			
133	IEC 60216-5 : 2008 IS 8504 (Part 7) :	insulating material Electrical insulating materials -		 	Identical under dual
133		Thermal endurance properties: Part		1	numbering
	IEC 60216_6:2006	7 determination of thermal			
	Reviewed In: 2017	endurance indices (TI And RTE)			

	IEC 60216-6 : 2006	of an insulating material using the fixed time frame method			
134	IS 8504 (Part 8):	Electrical insulating materials -	November, 2024	_	Identical under dual
10 .	` '	Thermal endurance properties: Part	11010111001, 2021		numbering
	IEC 60216-8 : 2013				mumo or mg
	Reviewed In: 2024	thermal endurance characteristics			
	IEC 60216-8 : 2013				
135	IS 8516 : 2011	Electrical insulating materials -	November, 2024	_	Identical under dual
133	IEC 60426 : 2007	Determination of electrolytic	11010111001, 2021		numbering
	Reviewed In: 2024	corrosion caused by insulating			namoering
	IEC 60426 : 2007	materials - Test methods (First			
	120 00 120 12007	Revision)			
136	IS 8570 : 1977	Specification for presspaper for	September, 2021	_	Modified/Technically
	Reviewed In: 2021	electrical purposes	,		Equivalent
	BS 3255 : 1975	r in Park			1
137	IS 9043 : 1979	Method for grading (By Size) of	September, 2021	-	Modified/Technically
	ISO 444	phlogopite mica blocks, thins and	1 /		Equivalent
	Reviewed In: 2021	splittings			1
	ISO 444-1965				
138	IS 9044 : 1979	Method of measuring thickness of	October, 2016	-	Modified/Technically
	ISO 5972	mica blocks, thins, films and			Equivalent
	Reviewed In: 2016	splittings			•
	ISO 5972-1978				
139	IS 9045 : 1979	Thermal classification of	October, 2016	-	Modified/Technically
	ISO 5023	phlogopite mica splittings			Equivalent
	Reviewed In: 2016				
	ISO 5023-1977				
140	IS 9335 (Part 1):	Cellulosic Papers for Electrical		-	Modified/Technically
	2024	Purposes â€"Specification Part 1			Equivalent
	IEC 60554-1:1977+				
	AMD1 1983	Requirements (First Revision)			
141	IS 9335 (Part 2):	Cellulosic Papers for Electrical		-	Identical under dual
	2024	Purposes Part 2 Methods of Test			numbering
	IEC 60554-2:2001	(Second Revision)			
	IEC 60554-2:2001				
142	· ·	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			
1.42	IEC Pub 554-3-1	electrical paper	A '1 2021		M 1:C: 1/T 1 : 11
143	· ·	Specification for cellulosic papers	April, 2021	_	Modified/Technically
	2) : 1985 EC Pub 554-3-2	for electrical purposes: Part 3 specifications for individual			Equivalent
	Reviewed In : 2021	materials: Sec 2 capacitor paper			
	IEC Pub 554-3-2	materials. See 2 capacitor paper			
144	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	_	Modified/Technically
1-7-7	3): 1984	for electrical purposes: Part 3	11pm, 2021		Equivalent
	IEC 554-3-3	specifications for individual			Equivalent
	Reviewed In: 2021	materials: Sec 3 crepe paper			
	IEC Pub 554-3-3	and a crope puper			
	(1980)				
145	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			1-1-1-1-1-1-1
	Reviewed In: 2021	materials: Sec 4 electrolytic			
	IEC Pub 554-3-4	capacitor paper			
	(1979)	I FF			
146	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	1	Modified/Technically
	5): 1985	for electrical purposes: Part 3	<u>*</u> ·		Equivalent
I	ĺ	1		1	1 1

	IEC 554-3-5 Reviewed In : 2021 IEC Pub 554-3-5 : 1984	specifications for individual materials: Sec 5 special papers			
147	IS 9455 : 1980	Classification of muscovite mica	October, 2016	1	Modified/Technically
	Reviewed In: 2016	blocks, thins and films based on			Equivalent
	ASTM D 748-71	electrical properties			
	(1977)				
148	IS 9502 : 1980	Specification for muscovite mica	October, 2016	=	Modified/Technically
	Reviewed In: 2016	components for electronic			Equivalent
	ISO 5816 (1979)	equipment			
149	IS 9947 : 2011	Electrical insulating materials used	August, 2016	=	Identical under dual
	IEC 60587: 2007	under severe ambient conditions -			numbering
	Reviewed In: 2016	Test methods for evaluating			
	IEC 60587: 2007	resistance to tracking and erosion			
		(First Revision)			

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:146 Total Standards Under development:0

Aspect Wise Report

Product: 72 Code of Practices: 0 Methods of Test: 39 Terminology: 10 Dimensions: 0 System Standard: 0 Safety Standard: 0 Others: 28

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
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 sleevings for electrical purposes
13	IS 4819 : 1968	Specification for thin vulcanized fibre sheet Including Leatheroid for electrical purposes
14	Reviewed In : 2021 IS 4820 : 1968	Specification for vulcanized fibre sheets electrical purposes
14	Reviewed In : 2021	Specification for vulcanized fibre sheets electrical purposes
15	IS 5424 : 1969	Rubber Mats For Electrical Purpose
	Reviewed In: 2004	Table 1 of Electron 1 unpose
16	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
17	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
18	IS 9299 (Part 3/Sec 1): 1979 IEC 60371-3-1 Reviewed In: 2008	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for individual materials Section 1 Rigid mica material for commutator separators
19	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
20	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
21	IS 9299 (Part 3/Sec 4): 1982	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

	Reviewed In: 2008	
22	IS 9299 (Part 3/Sec 5):	Insulating materials based on built up mica or treated mica paper Part 3 individual meterials
	1992	Section 5 Flexible mica materials in sheet form
	Reviewed In: 2008	
23	IS 9299 (Part 3/Sec 6):	Insulating Materials Based on Built-up Mica or Treated Mica Paper - Part 3 Specifications for
	1993	Individual Materials - Section 6 Glass Backed Mica Paper With B-Stage Epoxy Resin Bond
	Reviewed In: 2008	
24	IS 9299 (Part 3/Sec 7):	Insulating materials based on built-up mica or treated mica paper Part 3 individual material
	1992	Section 7 Mica paper
	Reviewed In: 2008	

Annexure-II : List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10026 (Part 3/Sec 1):	Insulating varnishes containing solvents Part 3 specifications for individual materials Sec 1
	1999	requirements for cold curing finishing varnishes First Revision
	IEC 60464-3-1	
	Reviewed In: 2019 IEC	
	Publication 464-3-1 (1986)	
2	IS 10026 (Part 3/Sec 2):	Insulating varnishes containing solvents Part 3 specifications for individual materials Sec 2
	1999	requirements for hot curing varnishes First Revision
	IEC 60464-3-2	
	Reviewed In: 2019 IEC	
	60464-3-2	
3	IS 10026 (Part 3/Sec 3):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	1983	materials Sec 3 air drying varnishes with temperature index 130
	Reviewed In : 2016	
4	IS 10026 (Part 3/Sec 4): 1983	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	Reviewed In : 2016	materials Sec 4 baking varinishes with temperature index 120
5	IS 10026 (Part 3/Sec 5):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
]	1983	materials Sec 5 baking varnishes with temperature index 130
	Reviewed In: 2016	materials See 3 baking variables with temperature index 130
6	IS 10026 (Part 3/Sec 6):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	1983	materials Sec 6 baking varnishes with temperature index 155
	Reviewed In: 2016	
7	IS 10026 (Part 3/Sec 7):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	1983	materials Sec 7 baking varnishes with temperature index 180
	Reviewed In: 2021	
8	IS 10026 (Part 3/Sec 8):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	1986	materials Sec 8 baking varnishes with temperature index 200
	Reviewed In: 2018	
9	IS 10026 (Part 3/Sec 9):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	1986	materials Sec 9 baking varnishes with temperature index 130 for magnetic core sheets
10	Reviewed In : 2018	
10	IS 10192 : 1982	Specification for synthetic resin bonded glass fibre SRBGF for electrical purposes
	Reviewed In: 2020 ISO/R	
11	179-1961 etc IS 10333 : 1982	Specification for epoxy resin systems for cast resin insulated power and control cable joints and
11	Reviewed In : 2018	terminations up to and including 11 kV
12	IS 11297 (Part 3/Sec 1):	Specification for varnished fabrics for electrical purposes Part 3 specifications for individual
12	1988	materials Sec 1 glass fabric backed varnished fabrics
	Reviewed In : 2020 IEC	materials see I glass facile sucked variabled faciles
	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 1):	Plastic films for electrical purposes - Specification Part 3 specifications for individual materials
	1991	Sec 1 polypropylene films for capacitors First Revision
	Reviewed In: 2020 IEC	
	Doc: 15C (Central Office)	
15	143	Disatis films for electrical numbers. Consideration Don't 2 annuitications for individual materials
15	IS 11298 (Part 3/Sec 2):	Plastic films for electrical purposes - Specification Part 3 specifications for individual materials
	1990 Reviewed In : 2019	Sec 2 metallized polypropylene films
16	IS 11298 (Part 3/Sec 3):	Plastic Films for Electrical Purposes Specification Part 3 Individual Materials Specifications
10	2024	Section 3 Balanced Biaxial Oriented Polyethylene Terephthalate PET Films Used For Electrical
	IEC 60674-3-2:2019	Insulation Requirements First Revision
	1120 00074-3-2.2017	insulation requirements 1 itst revision
17	IS 11298 (Part 3/Sec 4):	Plastic films for electrical purposes Part 3 specifications for individual materials Sec 4
	1998	requirements for polycarbonate PC films used for electrical insulation
	IEC 674-3-3	1 7
	Reviewed In: 2018 IEC	
	PUB 674-3-3 (1992)	
18	IS 11298 (Part 3/Sec 8):	Plastic films for electrical purposes Part 3 specifications for individual materials Sec 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)	
19	IS 11298 (Part 3/Sec 57):	Plastic Films for Electrical Purposes Part 3 individual materials Specifications Sections 5 to 7
	2024 IEC 60674-3-4:2022	Requirements for Polyimide Films Used for Electrical Insulation First Revision
	IEC 60674-3-4:2022	
20	IS 11654 (Part 3/Sec 103) :	Specification for flexible insulating sleevings Part 3 specifications for individual types of sleevings
20	1989	Sec 103 general purpose - Grade sleeving with unilateral tolerances with temperature index 90
	Reviewed In: 2020 IEC	See 103 general purpose Grade side ing with difficulties with temperature index 30
	Doc: 15 C (Central Office)	
	204 Sheet 103	
21	IS 11654 (Part 3/Sec 403):	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	1989	Sec 403 glass textile sleeving with acrylic based coating - High breakdown strength
	Reviewed In: 2020 IEC	
	Doc 15C (C.O) 200, Sheet	
22	403	Constitution for the 111, insulation above the Day 2 and 15 at any for its 11-11-14 and 11-14-14
22	IS 11654 (Part 3/Sec 405): 1989	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings Sec 405 glass textile sleeving with acrylic based coating - Lower breakdown strength
	Reviewed In : 2020 IEC	Sec 403 glass texture sleeving with acrylic based coating - Lower breakdown strength
	Doc: 15C (Central Office)	
	200, Sheet 405	
23	IS 11654 (Part 3/Sec 406):	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	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 407):	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	1989	Sec 407 glass textile sleeving with pvc based coating - Medium breakdown strength
	Reviewed In: 2020 IEC	
	Doc: 15C (Central Office)	
2.5	199, Sheet 407	
25	IS 11654 (Part 3/Sec 408):	Specification for flexible insulating sleeving Part 3 specifications for individual types of sleevings
	1989	Sec 408 glass textile sleeving with pvc based coating - Lower breakdown strength
	Reviewed In: 2020 IEC	
	Doc: 15C (C.O.) 199, Sheet 408	
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	Seneral requirements and emborated of establish and Substituting indicating

	Pub 672-1 (1980)	
27	IS 12747 (Part 3): 2015	Combined flexible materials for electrical insulation Part 3 specifications for individual material
	IEC 60626-3 : 2008	First Revision
	Reviewed In: 2021 IEC	
	60626-3 : 2008	
28	IS 13465 (Part 3/Sec 1):	Resin based reactive compounds used for electrical insulation Part 3 specifications for individua
	2006	materials Sec 1 unfilled epoxy resinous compounds First Revision
	IEC 60455-3-1	
	Reviewed In: 2024 IEC	
	60455-3-1 : 2003	
29	IS 13465 (Part 3/Sec 2):	Resin based reactive compounds used for electrical insulation Part 3 specifications for individua
	2006	materials Sec 2 quartz filled epoxy resinous compounds First Revision
	IEC 60455-3-2	
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