### **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)			
	IEC Publication				
	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			
	IEC 60464-3-2	varnishes (First Revision)			
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			
		130			
6	IS 10026 (Part 3/Sec	Specification for insulating	October, 2016	1	Indigenous
	4): 1983	varnishes containing solvents: Part			
	Reviewed In: 2016	3 specifications for individual			

1	I	materials: Sec 4 baking varinishes		1	1
		with temperature index 120			
7	IS 10026 (Part 3/Sec	Specification for insulating	October, 2016	1	Indigenous
	5): 1983	varnishes containing solvents: Part			
	Reviewed In: 2016	3 specifications for individual			
		materials: Sec 5 baking varnishes			
		with temperature index 130			
8	IS 10026 (Part 3/Sec	1	October, 2016	1	Indigenous
	6): 1983	varnishes containing solvents: Part			
	Reviewed In: 2016	3 specifications for individual			
		materials: Sec 6 baking varnishes			
		with temperature index 155			
9	IS 10026 (Part 3/Sec	1	March, 2021	1	Indigenous
	7):1983	varnishes containing solvents: Part			
	Reviewed In: 2021	3 specifications for individual			
		materials: Sec 7 baking varnishes			
10	IG 1000( /D + 2/G	with temperature index 180	A '1 2010		Y 1'
10	IS 10026 (Part 3/Sec	1	April, 2018	-	Indigenous
	8): 1986	varnishes containing solvents: Part			
	Reviewed In: 2018	3 specifications for individual			
		materials: Sec 8 baking varnishes with temperature index 200			
11	IS 10026 (Part 3/Sec		April, 2018	_	Indigenous
11	9): 1986	varnishes containing solvents: Part	Aprii, 2016	_	margenous
	Reviewed In : 2018	3 specifications for individual			
	Reviewed III . 2016	materials: Sec 9 baking varnishes			
		with temperature index 130 for			
		magnetic core sheets			
12	IS 10163 (Part 1):	Recommended methods of tests for	April, 2018	_	Modified/Technically
	1982	the determination of dielectric	11p111, <b>2</b> 010		Equivalent
	IEC 60377-1	properties of insulating materials at			Equivalent
	Reviewed In: 2018	frequencies above 300 MHZ: Part			
	IEC Pub 377-1 (	1 general			
	1973 )	8			
13	IS 10192 : 1982	Specification for synthetic resin	October, 2020	1	Modified/Technically
	Reviewed In: 2020	bonded glass fibre (SRBGF) for			Equivalent
	ISO/R 179-1961 etc	electrical purposes			
14	IS 10333 : 1982	Specification for epoxy resin	April, 2018	-	Indigenous
	Reviewed In: 2018	systems for cast resin insulated			
		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
	IEC 60589	determination of ionic impurities			Equivalent
	Reviewed In: 2020	in electrical insulating materials by			
	IEC Pub 589 ( 1977	extraction with liquids			
1.0	)	Calda fa di di di	M. 1 2024		M - 4'C' 1/72 1 1 11
16	IS 11182 (Part 1):	Guide for the evaluation of	March, 2021	-	Modified/Technically
	1984	insulation systems of electrical			Equivalent
	IEC 60611 Reviewed In: 2021	equipment: Part 1 identification,			
	IEC Pub 505 (1975),	evaluation and ageing mechanisms			
	IEC Pub 610 (1978)				
17	IS 11182 (Part 2):	Guide for the evaluation of	March, 2021		Modified/Technically
1/	1984	insulation systems of electrical	1 <b>v1d1C11</b> , 2021	_	Equivalent
	IEC 60611	equipment: Part 2 thermal			2qui vaioni
	Reviewed In: 2021	endurance test procedures			
	IEC Pub 611 (1978)	The state of the s			
18	IS 11182 (Part 3/Sec	Guide for the evaluation of	March, 2021	-	Modified/Technically
1	1		, -	1	1

I	1): 1986	insulation systems of electrical		I	Equivalent
	IEC 60727-1	equipment: Part 3 electrical			1"
	Reviewed In: 2021	endurance test procedures: Sec 1			
	IEC Pub 727-1	general considerations and			
	(1982)	evaluation procedures based on			
		normal distributions			
19	IS 11182 (Part 3/Sec	Guide for the evaluation of	March, 2021	-	Identical under dual
	2):1996	insulation systems of electrical			numbering
	IEC 60727-3	equipment: Part 3 electrical			
	Reviewed In: 2021	endurance test procedures: Sec 2			
	IEC 60727-3	evaluation procedures based on			
		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				
	)				
21	IS 11182 (Part 6):	Guide for the evaluation of	March, 2021	-	Modified/Technically
	1986	insulation systems of electrical			Equivalent
	Reviewed In: 2021	equipment: Part 6 performance			
	IEC Doc: 63 (	evaluation based on service			
	Central Office ) 19	experience and functional tests			
22	IS 11182 (Part 7/Sec		March, 2021	-	Modified/Technically
	1): 1986	insulation systems of electrical			Equivalent
	Reviewed In: 2021	equipment: Part 7 multi-factor			
	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	varnishes: Part 1 electric strength			
	Reviewed In: 2016	method			
	IEC publication 370				
2.5	(1971)		2024		)
25	IS 11256 (Part 2):	Method of test for determination	April, 2021	-	Modified/Technically
	1985	of thermal endurance of insulating			Equivalent
	Reviewed In: 2021	varnishes: Part 2 measurement of			
26	DIN 46456	loss of mass  Method of test for determination	Ai1 2021	+	Modified/Tooksiss11-
26	IS 11256 (Part 3):		April, 2021	-	Modified/Technically
	1985 IEC 60290	of thermal endurance of insulating varnishes: Part 3 bond strength by			Equivalent
	Reviewed In : 2021	helical coil method			
	IEC 290 (1969)	nencai con method			
27		Specification for varnished fabrics	March, 2021	1	Modified/Technically
21	1985	for electrical purposes: Part 1	iviaicii, 2021	1	Equivalent
	Reviewed In: 2021	definitions and general			Lquivalent
	IEC Pub 394-1 (	requirements			
	1972), BS 419:	requirements			
	1972 ), BS 419 . 1958				
28		Specification for varnished fabrics	October, 2020	_	Modified/Technically
23	1988	for electrical purposes: Part 2	300001, 2020		Equivalent
	Reviewed In: 2020	methods of tests			_qu
	IEC Publication				
	394-2 ( 1972 )				
29		Specification for varnished fabrics	October, 2020	-	Modified/Technically
I	· ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	1 *	,	I	ı

l	1): 1988	for electrical purposes: Part 3		1	Equivalent
	Reviewed In: 2020	specifications for individual			Equivalent
		materials: Sec 1 glass fabric backed			
	Central Office ) 159	- C			
30	IS 11298 (Part 1):	Specification for plastic films for	March, 2021	_	Identical under dual
	1985	electrical purposes: Part 1	1/101/011, 2021		numbering
	IEC 60674-1	definitions and general			in i
	Reviewed In: 2021	requirements			
	IEC Publication 674				
	- 1 (1980)				
31	IS 11298 (Part 2):	Plastic Films for Electrical		_	Identical under dual
	2024	Purposes $\ddot{i}_{\zeta}^{1/2}$ Specification Part 2			numbering
		Methods of Test (Second Revision)			nameering
	IEC 60674-2:2016	restrictions of Test (Second Revision)			
32		Plastic films for electrical purposes	October, 2020	_	Modified/Technically
~~	1): 1991	- Specification: Part 3	0010001, 2020		Equivalent
	Reviewed In: 2020	specifications for individual			Equivalent
	IEC Doc: 15C (	materials: Sec 1 polypropylene			
	Central Office ) 143				
	Cinum Office ) 143	Revision)			
33	IS 11298 (Part 3/Sec	Plastic films for electrical purposes		1	Indigenous
	2): 1990	- Specification: Part 3		1	murgenous
	Reviewed In : 2019	specifications for individual			
	Reviewed III . 2017	materials: Sec 2 metallized			
		polypropylene films			
34	IS 11298 (Part 3/Sec				Identical under dual
] 34	3): 2024	Purposes � Specification Part 3		_	numbering
	IEC 60674-3-2:2019				numbering
	IEC 00074-3-2.2019 IEC	Specifications Section 3 Balanced			
	60674-3-2:2019	=			
	00074-3-2:2019	Biaxial Oriented Polyethylene			
		Terephthalate (PET) Films Used			
		For Electrical Insulation "i/2			
35	IS 11298 (Part 3/Sec	Requirements (First Revision)  Plastic films for electrical	July, 2018		Identical under dual
33	3): 1998	purposes: Part 3 specifications for	July, 2016	_	numbering
	·				numbering
	IEC 674-3-2 ( 1992 )				
	IEC 60674-3-2:2019	requirements for balanced biaxially			
	IEC 00074-3-2.2019	oriented polyethylene Terephthalate (PET) films used for			
		` ′			
36	IS 11298 (Part 3/Sec	electrical insulation Plastic films for electrical	July, 2018	+	Identical under dual
50	4): 1998	purposes: Part 3 specifications for	July, 2010	_	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			
37	IS 11298 (Part 3/Sec		July, 2018	+	Identical under dual
3/	· ·		July, 2018	_	
	8) : 1998 IEC 674-3-7	purposes: Part 3 specifications for individual materials: Sec 8			numbering
	Reviewed In : 2018				
		requirements for fluoroethylene -			
	IEC 674-3-7 (1992)	Propylene (FEP) films used for electrical insulation			
20	IC 11200 (Dont 2/C			+	Identical under dual
38	IS 11298 (Part 3/Sec			-	Identical under dual
	57): 2024	Purposes Part 3 individual			numbering
	IEC 60674-3-4:2022	č 1			
	IEC	Sections 5 to 7 Requirements for			
	60674-3-4:2022	Polyimide Films Used for			
		Electrical Insulation (First			
		Revision)		+	
	-	-		•	•

	1				
39	IS 11298 (Part 3/Sec	Plastic films for electrical	July, 2018	-	Identical under dual
	57): 1998	purposes: Part 3 specifications for			numbering
	IEC 674-3-4 to 6	individual materials: Sec 5 to 7			
	Reviewed In: 2018	requirements for polyimide films			
	IEC 60674-3-4:2022	used for electrical insulation			
40	IS 11654 (Part 1):	Flexible Insulating Sleeving Part 1		-	Identical under dual
	2024	Definitions and General			numbering
	IEC 60667-1:2020	Requirements (First Revision)			
	IEC 60684-1:2003	1			
41	IS 11654 (Part 2):	Flexible Insulating Sleeving Part 2		_	Identical under dual
	2024	Methods of Test (First Revision)			numbering
	IEC 60684-2:2011	112011000 01 1 000 (1 1100 110 1101011)			I manne et m.g
	IEC 60684-2:2011				
42		Specification for flexible insulating	October, 2020	_	Modified/Technically
l '-	1): 1988	sleeving: Part 3 specifications for	3010001, 2020		Equivalent
		individual types of sleevings: Sec 1			Equivalent
		general purpose grade sleeving with			
	(Central Office) 204				
	Sheets 100 and 103	temperature index 90			
12		Specification for florible insulation	October 2020	+	Modified/Tachnically
43		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			
<u> </u>	Sheet 103	with temperature index 90	0 . 1 . 1 . 1	ļ	7. 1101 177 1 1 1
44	· ·	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			
45	IS 11654 (Part 3/Sec	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,	acrylic based coating - Medium			
	Sheet 404	breakdown strength			
46	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			
47		Specification for flexible insulating	October, 2020	1	Modified/Technically
'	406): 1989	sleeving: Part 3 specifications for	/ , = 0 = 0	_	Equivalent
	Reviewed In: 2020	individual types of sleevings: Sec			4
	IEC Doc: 15C (	406 glass textile sleeving with pvc			
	Central Office ) 199,	based coating - High breakdown			
	Sheet 406	strength			
48		Specification for flexible insulating	October, 2020	_	Modified/Technically
10	407) : 1989	sleeving: Part 3 specifications for	30,0001, 2020		Equivalent
	Reviewed In : 2020	individual types of sleevings: Sec			Equivalent
	IEC Doc: 15C (	407 glass textile sleeving with pvc			
	Central Office) 199,	based coating - Medium			
	Sheet 407	breakdown strength			
49		Specification for flexible insulating	October, 2020	+	Modified/Technically
49			October, 2020	_	-
	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		1	
50	408	strength Methods of test for determination	A '1 0001		T1 ( 1 1 1 1
50	IS 11731 (Part 1):		April, 2021	-	Identical under dual
	1986	of flammability of solid electrical			numbering
	IEC 60107	insulating materials when exposed			
	Reviewed In: 2021	to an igniting source: Part 1			
	IEC 60707 (1981)	horizontal specimen method			
51	IS 11731 (Part 2):	Methods of test for determination	April, 2021	-	Modified/Technically
	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			
	)				
52	IS 1175 : 1981	Methods for grading and	October, 2016	-	Indigenous
	ISO 67	classification of muscovite mica			
	Reviewed In: 2016	blocks, thins and films (First			
		Revision)			
53	IS 11755 : 1986	Method of test for Determination	April, 2021	-	Modified/Technically
	IEC 60345	of electrical Resistance and			Equivalent
		resistivity of Insulating materials at			
<u></u>	IEC Pub 345 (1971)	elevated Temperatures			
54	IS 11756 : 1986	Method of test for coefficients of	October, 2016	1	Modified/Technically
		friction of plastic film and sheeting			Equivalent
	Reviewed In: 2016	for use as electrical insulation			
	IEC Pub 648-1979				
55	IS 12316 (Part 1):	Specification for non - Cellulosic	October, 2020	-	Modified/Technically
	1988	papers for electrical purposes: Part			Equivalent
	Reviewed In: 2020	1 definitions and general			
	IEC Doc: 15C (	requirements			
	Central Office ) 131				
56	IS 12316 (Part 2):	Specification for non - Cellulosic	October, 2020	-	Indigenous
	1988	papers for electrical purposes: Part			
	Reviewed In: 2020	2 methods of test			
57	IS 12316 (Part 3/Sec	Specification for non - Cellulosic	October, 2020	-	Modified/Technically
	1): 1988	papers for electrical purposes: Part			Equivalent
	Reviewed In: 2020	3 requirements for individual			
	IEC Doc 15C	materials: Sec 1 unfilled aramid			
	(Central Office) 146				
	70.1001	calendered			
58	IS 12316 (Part 3/Sec	-	October, 2020	-	Modified/Technically
	2):1988	papers for electrical purposes: Part			Equivalent
	Reviewed In: 2020	3 requirements for individual			
	IEC Doc: 15C	materials: Sec 2 unfilled aramid			
	(Central Office) 146	, , , , , , , , , , , , , , , , , , , ,			
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<b>7</b> 0	TO 10017 (P. 1)	uncalendered	0 / 1 0000		) / 1'C' 1'''' :
59	, ,	Specification for ceramic and glass	October, 2020	-	Modified/Technically
59	1988	Specification for ceramic and glass insulating materials for	October, 2020	-	Modified/Technically Equivalent
59	1988 IEC 60672-1	Specification for ceramic and glass insulating materials for telecommunication and allied	October, 2020	-	•
59	1988 IEC 60672-1 Reviewed In : 2020	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general	October, 2020	-	•
59	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of	October, 2020	-	•
59	1988 IEC 60672-1 Reviewed In : 2020	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating	October, 2020	-	•
	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	-	Equivalent
59	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980) IS 1271 : 2012	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials  Electrical insulation - Thermal	October, 2020	-	Equivalent  Identical under dual
	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980) IS 1271 : 2012 IEC 60085	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials  Electrical insulation - Thermal evaluation and designation (Second	October, 2020	-	Equivalent
	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980) IS 1271 : 2012 IEC 60085 Reviewed In : 2017	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials  Electrical insulation - Thermal	October, 2020	-	Equivalent  Identical under dual
60	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980) IS 1271 : 2012 IEC 60085 Reviewed In : 2017 IEC 60085 : 2007	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials  Electrical insulation - Thermal evaluation and designation (Second Revision)		-	Equivalent  Identical under dual numbering
	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980) IS 1271 : 2012 IEC 60085 Reviewed In : 2017 IEC 60085 : 2007 IS 12747 (Part 1) :	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials  Electrical insulation - Thermal evaluation and designation (Second Revision)  Combined flexible materials for	October, 2020  August, 2016	-	Equivalent  Identical under dual numbering  Identical under dual
60	1988 IEC 60672-1 Reviewed In : 2020 IEC Pub 672-1 (1980) IS 1271 : 2012 IEC 60085 Reviewed In : 2017 IEC 60085 : 2007	Specification for ceramic and glass insulating materials for telecommunication and allied purposes: Part 1 general requirements and classification of ceramic and glass insulating materials  Electrical insulation - Thermal evaluation and designation (Second Revision)		-	Equivalent  Identical under dual numbering

	Reviewed In: 2016 IEC 60626-1: 2009	requirements (First Revision)			
62	IS 12747 (Part 2): 2012	Combined flexible materials for electrical insulation: Part 2		-	Identical under dual numbering
	EC 60626-2 : 2009 Reviewed In : 2017 IEC 60626-2 : 2009	methods of test (First Revision)			
63	IS 12747 (Part 3): 2015 IEC 60626-3: 2008	Combined flexible materials for electrical insulation: Part 3 specifications for individual	April, 2021	-	Identical under dual numbering
	Reviewed In: 2021 IEC 60626-3: 2008	materials (First Revision)			
64	IS 13066 : 1991 Reviewed In : 2016	Prepreg based on glass woven fabric for electrical applications - Specification	October, 2016	-	Indigenous
65	IS 13335 : 1992 Reviewed In : 2018	Muscovite mica scrap for mica paper - Specification	April, 2018	-	Indigenous
66	IS 13357 : 1992 Reviewed In : 2018 ASTM : D2131	Methods of grading and visual classification of muscovite mica splittings	April, 2018	-	Modified/Technically Equivalent
67	IS 13465 (Part 1): 2005 IEC 60455-1	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)			
68	IS 13465 (Part 2): 2005	Resin based reactive compounds used for electrical insulation: Part 2	September, 2020	-	Identical under dual numbering
	IEC 60455-2 Reviewed In: 2020 IEC 60455-2 (1998)	methods of test (First Revision)			
69	IS 13465 (Part 3/Sec		April, 2016	-	Identical under dual numbering
	IEC 60455-3-1 Reviewed In : 2016	specifications for individual materials: Sec 1 unfilled epoxy			mumoering
	IEC 60455-3-1: 2003	resinous compounds (First Revision)			
70	IS 13465 (Part 3/Sec 2) : 2006	Resin based reactive compounds used for electrical insulation: Part 3	April, 2016	-	Identical under dual numbering
	IEC 60455-3-2 Reviewed In : 2016	specifications for individual materials: Sec 2 quartz filled epoxy			
	IEC 60455-3-2	resinous compounds (First Revision)			
71	IS 13465 (Part 3/Sec 3) : 2006	Resin based reactive compounds used for electrical insulation: Part 3	April, 2016	-	Identical under dual numbering
	IEC 60455-3-3 Reviewed In: 2016	specifications for individual materials: Sec 3 unfilled			
	IEC 60455-3-3 (2003)	polyurethane compounds (First Revision)			
72	IS 13465 (Part 3/Sec		April, 2016	-	Identical under dual
	IEC 60455-3-4	specifications for - Individual			numbering
	IEC 60455-3-4	materials: Sec 4 filled polyurethane compounds (First Revision)			
73	IS 13465 (Part 3/Sec 5) : 1998	Solventless polymerisable resinous compounds used for electrical	May, 2018	-	Indigenous
	Reviewed In: 2018	insulation - Specification: Part 3 specifications for individual			
		materials: Sec 5 epoxy phenol novolac resin			
		3.55.55		†	<del> </del>

74	IS 13465 (Part 3/Sec 6): 2006 IEC 60455 -3 - 5 Reviewed In: 2021 IEC 60455-3-5 (2001)	Resin based reactive compounds used for electrical insulation 2006: Part 3 specifications for individual materials: Sec 6 unsaturated polyester based impregnating resins	March, 2021	-	Identical under dual numbering
75	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
76	IS 13884 : 1993 Reviewed In : 2018	Muscovite mica flakes and mica powder for industrial applications	April, 2018	-	Indigenous
77	IS 14353 : 1996 Reviewed In : 2021	Guide for determining compatibility between enamelled winding wire and impregnating compounds	March, 2021	-	Indigenous
78	IS 14672 : 1999 Reviewed In : 2019	Method of test for high voltage low current dry arc resistance of solid electrical insulation	March, 2019	-	Indigenous
79	IS 15208 : 2002 Reviewed In : 2022	Unidirectional non - Woven semi - Cured glass fibre tape - Specification	September, 2022	-	Indigenous
80	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
81	IS 15652 : 2006 IEC 61111 Reviewed In : 2016 IEC 61111	Insulating mats for electrical purposes - Specification	April, 2016	2	Identical under dual numbering
82	IS 1576 : 1992 Reviewed In : 2018	Solid pressboard for electrical purposes - Specification (First Revision)	April, 2018	2	Indigenous
83	IS 16498 (Part : Part) : 2017 IEC 60641-2 : 2004 IEC 60641-2 : 2004			-	Identical under dual numbering
84	IS 16498 (Part 1): 2018 IEC 60641-1: 2007 IEC 60641-1: 2007	Specification for Pressboard and Presspaper for Electrical Purposes Part 1 Definitions and General Requirements		-	Identical under dual numbering
85		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		-	Identical under dual numbering
	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		-	Identical under dual numbering
87	IS 16499 (Part 1): 2017 IEC 60763-1: 2010	Laminated Pressboard for Electrical Purposes Part 1 Definitions, Classification and		-	Identical under dual numbering

I	IEC 60763-1 : 2010	General Requirements			1
88	IS 16499 (Part 3/Sec			-	Identical under dual
	1): 2019	Electrical Purposes Part 3			numbering
	IEC 60763-31 : 2010	-			
	IEC 60763-3-1:	Materials — Sheet 1:			
	2010	Requirements for Laminated Pre			
		Compressed Pressboard, Types			
		LB3.1A.1, and LB3.1A.2			
89	IS 2259 : 1963	Methods of test for determination	October, 2020	1	Modified/Technically
	Reviewed In: 2020	of insulation resistance of solid			Equivalent
	IEC Document 15 (	insulating materials			
	Central Office ) 25				
90	IS 2260 : 1973	Preconditioning, conditioning and	April, 2018	-	Modified/Technically
		testing of solid electrical insulating			Equivalent
	IEC Pub 212 (1971)	materials (First Revision)			
91	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			
<u> </u>	B.S. 1078 : 1954	textile substrates			
92	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				
93	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				
94	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			
0.5	IEC 60112 : 2003	materials (Second Revision)	M 1 2021		M 1'C' 1/T 1 ' 11
95	IS 3396 : 1979	Methods of test for volume and	March, 2021	-	Modified/Technically
		surface resistivity of solid electrical			Equivalent
	IEC Document 15A	insulating materials (First			
96	(Central Office) 35	Revision)	A:1 2010		Modified/Technically
96	IS 4248 : 1967	Specification for non - Ignitable	April, 2018	-	Modified/Technically
	Reviewed In: 2018	and self - Extinguishing boards			Equivalent
	Draft B.S. 66/3994	(With Mineral Base) for electrical			
97	,Draft B.S. 66/3995 IS 4249 : 1967	purposes Classification and methods of tests	April, 2018	1	Modified/Technicaller
9/		for non - Ignitable and self -	Арпі, 2018		Modified/Technically
	Reviewed In : 2018	e			Equivalent
	B.S. 738 : 1937, Draft B. S. 66/3994	Extinguishing properties of solid electrical insulating materials			
98	IS 4486 : 1967	Recommended methods for the	April, 2018		Modified/Technically
70	Reviewed In : 2018	determination of the permittivity	Apili, 2018	_	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			
99	IS 4819 : 1968	Specification for thin vulcanized	September, 2021	<del> </del>	Indigenous
"	Reviewed In : 2021	fibre sheet (Including Leatheroid)	50ptcmbc1, 2021	_	muigenous
	Reviewed III . 2021	for electrical purposes			
100	IS 5596 : 1970	Methods of test for determining	October, 2020	<del> </del>	Modified/Technically
100	Reviewed In : 2020	deleterious substances in fibrous	0010001, 2020		Equivalent
	ERA Report No.	insulating materials			Equivalent
	5234:	modiating materials			
101	IS 5711 : 1970	Specification for vulcanized fibre	April, 2018	_	Modified/Technically
101	10.5/11.15/0	Specification for valeatinged fible	11p111, 2010		1.10dillod, 10dilliodilly

	Reviewed In: 2018	rods and tubes for electrical			Equivalent
	B.S. 67/5744	purposes			
102	IS/IEC 60371-1:	Specification for insulating	August, 2016	-	Identical under single
	2003	materials based on MICA: Part 1			numbering
	Reviewed In: 2016	definitions and general			
	IEC 60371: Part 1:	requirements			
	2003				
103	IS/IEC 60371-2:	Specification for insulating		-	Identical under single
	2004	materials based on MICA: Part 2			numbering
	IEC 60371-2:2004	methods of test			
	Reviewed In: 2017				
	IEC 60371: PART 2				
104	IS/IEC 60371-3-1:	Specification for insulating	August, 2016	-	Identical under single
	2006	materials based on mica, Part 3	_		numbering
	Reviewed In: 2016	Specification for individual			
		materials, Section 1 Commutator			
		Separators and materials			
105	IS/IEC 60371-3-2:	Specification for Insulating		-	Identical under single
	2005	Materials Based on MICA, Part 3			numbering
	Reviewed In: 2017	Specification for Individual			
	IEC 60371-3-2:2005	*			
106	IS/IEC 60371-3-3:	Specification for Insulating	August, 2021	-	Identical under single
	1983	Materials Based on MICA, Part 3	6,		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			
	1983	3 1 F			
107	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			
	Sec 4	1 3			
108	IS/IEC 60371-3-5:	Specification for Insulating	March, 2022	-	Identical under single
	2005	Materials Based on MICA, Part 3			numbering
	IEC 60371-3-5:	Specification for Individual			
	2005	Materials, Section 5 Glass-Backed			
	Reviewed In: 2022	Mica Paper with an Epoxy Resin			
	IEC 60371-3-5:	Binder for Post Impregnation			
L	2005	(VPI)			
109	IS/IEC 60371-3-6:	Specification for Insulating	March, 2022	-	Identical under single
	1992	Materials based on MICA, Part 3			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				
110	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	Binder for Single Conductor			
		Taping			
111	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			
I	l l	ı		I	1

	:Sec 8 : 1995 Reviewed In : 2022	Materials Section 8 Mica Paper Tapes for Flame Resistant Security			
	IEC 60371 : Part 3 :Sec 8 : 1995	Cables			
112	IS/IEC 60371_3_9 : 1995 IEC 60371-3-9 :	Specification for Insulating Materials Based on MICA Part 3 Specification for Individual	May, 2022	-	Identical under single numbering
	1995 Reviewed In : 2022	Materials Section 9 Moulding Micanite			
	IEC 60371-3-9 : 1995				
113	IS/IEC 60667-1 : 2020	Vulcanized fibre for Electrical Purposes Part 1 Definitions and		-	Identical under single numbering
	IEC 60667-1:2020 IEC 60667-1:2020	General Requirements			numbering
114	IS/IEC 60667-2 : 2020	Vulcanized fibre for electrical purposes Part 2 Methods of test		-	Identical under single numbering
	IEC 60667-2:2020 IEC 60667-2:2020	purposes 1 art 2 ivietnous of test			numbering
115	IS/IEC 60667-3-1): 2020	Vulcanized Fibre for Electrical		-	Identical under single
	IEC 60667-3-1:2020	Purposes Part 3 Individual Materials � Specifications			numbering
	IEC 60667-3-1:2020	Section 1 Flat Sheets			
116	IS 6230 : 1970	Specification for woven asbestos	April, 2018	-	Modified/Technically
	Reviewed In: 2018 BS 1944: 1953	tape for electrical insulating purposes			Equivalent
117	IS 6659 : 1976	Electronic Grade Ceramic	April, 2021	-	Indigenous
118	Reviewed In: 2021 IS 7084: 1973	Materials Specification for bitumen - Based	March, 2018	1	Modified/Technically
	Reviewed In: 2018	filling compounds for electrical			Equivalent
	Document No. 68/30345	purposes			
119	IS 7571 : 1974 Reviewed In : 2020	Methods of tests for ceramics for telecommunication and allied	October, 2020	-	Modified/Technically
	VDE 0303 Part	purposes			Equivalent
	4/10.55 , VDE				
120	0335/7.56 IS 7755 : 1975	Specification for high tension	April, 2018	-	Indigenous
	Reviewed In: 2018	insulating cotton tape impregnated			
121	IS 7809 (Part 1):	with bitumen - Based compound Specification for pressure sensitive	January, 2023	2	Modified/Technically
	1975 IEC 60454-1	adhesive tapes for electrical purposes: Part 1 general			Equivalent
	Reviewed In: 2023	requirements			
122	IEC pub 454-1 IS 7809 (Part 2):	Specification for pressure sensitive	April, 2021	1	Indigenous
122	1977	adhesive tapes for electrical	Aprii, 2021	1	margenous
	IEC 60454-2 Reviewed In : 2021	purpose : Part 2 methods of test			
123	IS 7809 (Part 3/Sec	Specification for pressure sensitive	October, 2016	2	Modified/Technically
	1): 1986 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)			
124	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2021	-	Modified/Technically

	1			1	1
	2): 1981	adhesive tapes for electrical			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			
125	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2021	-	Modified/Technically
	3): 1981	adhesive tapes for electrical			Equivalent
	Reviewed In: 2021	purposes: Part 3 specification for			
	IEC Doc: 15C ( C.0	individual materials: Sec 3 polyster			
	) 106	film tapes (PETP) with non -			
		Thermosetting adhesive			
126	IS 7809 (Part 3/Sec	Specification for pressure sensitive	April, 2018	-	Modified/Technically
	4): 1977	adhesive tapes for electrical	-		Equivalent
		purposes: Part 3 specifications for			·
	IEC Doc: 15C (	individual materials: Sec 4			
	Central Office ) 57	cellulosic paper, creped with			
		thermosetting adhesive			
127	IS 7809 (Part 3/Sec.	Specification for pressure sensitive	April, 2021	_	Modified/Technically
12,	5): 1977	adhesive tapes for electrical	119111, 2021		Equivalent
1	Reviewed In: 2021	purposes: Part 3 specifications for			- Lyur varent
1	IEC Doc: 15C (	individual materials: Sec 5			
	`	cellulosic paper with thermosetting			
	Central Office ) 38	adhesive			
128	IS 8504 (Part 1):	Electrical insulating materials -		_	Identical under dual
120	2012	Thermal endurance properties: Part		-	numbering
	IEC 60216-1:2001	1 ageing procedures and evaluation			numbering
	Reviewed In : 2017	of test results (Second Revision)			
	IEC 60216-1 : 2001	of test fesuits (Second Revision)			
129	IS 8504 (Part 2):	Electrical insulating materials -	January 2022		Identical under dual
129		_	January, 2023	-	
	2013	Thermal endurance properties: Part			numbering
	IEC 60216 - 2 : 2005				
	Reviewed In : 2023	endurance properties of electrical			
	IEC 60216-2 : 2005	insulating materials - Choice of test			
120	IC 0504 (D. + 2)	criteria (First Revision)			X1 2 1 1 1 1
130	` /	Guide for determination of thermal		-	Identical under dual
	1994	endurance properties of electrical			numbering
	IEC 60216-3	insulating materials Part 3:			
	Reviewed In: 2019	Statistical methods			
121	IEC 60216-3:1980		Y 2000		<b>71</b> 1
131	IS 8504 (Part 4):	Electrical insulating materials -	January, 2023	-	Identical under dual
1		Thermal endurance properties: Part			numbering
1	IEC 60216 - 3 : 2006	C			
1	Reviewed In: 2023	thermal endurance characteristics			
<u></u>	IEC 60216-3:2006	(First Revision)			
132	IS 8504 (Part 5/Sec	Electrical Insulating Materials		-	Identical under dual
1	1): 2012	-Thermal Endurance Properties			numbering
1	IEC	-Part 5 Ageing Ovens : Section 1			
	60216_4_1:2006	Single-chamber Ovens			
	Reviewed In: 2017				
	IEC 60216-4-1:				
	2006				
133	IS 8504 (Part 5/Sec	Electrical insulating materials -		-	Identical under dual
	2):2012	Thermal endurance properties: Part			numbering
1	IEC	5 ageing ovens: Sec 2 precision			
1	60216_4_2:2000	ovens for use up to 300°C			
1	Reviewed In: 2017				
1	IEC 60216-4-2:				
	2000				
134	IS 8504 (Part 5/Sec	Electrical insulating materials -		-	Identical under dual
1	I			I	I

	•	Thermal endurance properties: Part			numbering
	IEC	5 ageing ovens: Sec 3 multi -			
	60216_4_3:2000	Chamber ovens			
	Reviewed In: 2017				
	IEC 60216-4-3:				
	2000				
135	IS 8504 (Part 6):	Electrical insulating materials -		-	Identical under dual
		Thermal endurance properties: Part			numbering
	_	6 determination of relative thermal			
	Reviewed In: 2017	endurance index (RTE) of an			
12.5	IEC 60216-5 : 2008	insulating material			
136	IS 8504 (Part 7):	Electrical insulating materials -		-	Identical under dual
		Thermal endurance properties: Part			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			
125	*G 0.504 (D 0)	fixed time frame method			<del>                                     </del>
137	IS 8504 (Part 8):	Electrical insulating materials -		-	Identical under dual
		Thermal endurance properties: Part			numbering
1	IEC 60216-8 : 2013	8 instructions for calculating			
	IEC 60216-8 : 2013				
120	IC 0F16 2011	using simplified procedures	A 2016	1	Identical and 1 1
138	IS 8516 : 2011	Electrical insulating materials -	August, 2016	-	Identical under dual
	IEC 60426 : 2007	Determination of electrolytic			numbering
	Reviewed In : 2016	corrosion caused by insulating			
	IEC 60426 : 2007	materials - Test methods (First			
139	IS 8570 : 1977	Revision) Specification for presspaper for	September, 2021		Modified/Technically
139	Reviewed In : 2021	electrical purposes	September, 2021	-	Equivalent
	BS 3255 : 1975	electrical purposes			Equivalent
140	IS 9043 : 1979	Method for grading (By Size) of	September, 2021	_	Modified/Technically
140	ISO 444	phlogopite mica blocks, thins and	September, 2021		Equivalent
	Reviewed In: 2021	splittings			Equivalent
	ISO 444-1965	spittings			
141	IS 9044 : 1979	Method of measuring thickness of	October, 2016	_	Modified/Technically
1	ISO 5972	mica blocks, thins, films and	2010001, 2010		Equivalent
	Reviewed In: 2016	splittings			Equivalent
	ISO 5972-1978	sp.ittiings			
142	IS 9045 : 1979	Thermal classification of	October, 2016	-	Modified/Technically
	ISO 5023	phlogopite mica splittings			Equivalent
	Reviewed In: 2016				1 1
	ISO 5023-1977				
143	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)			
144	IS 9335 (Part 2):	Cellulosic Papers for Electrical		-	Identical under dual
1	2024	Purposes Part 2 Methods of Test			numbering
	IEC 60554-2:2001	(Second Revision)			
<u> </u>	IEC 60554-2:2001				
145	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	1	Modified/Technically
1	1):1984	for electrical purposes: Part 3			Equivalent
1	IEC 554-3-1	specifications for individual			
1	Reviewed In: 2021	materials: Sec 1 general purpose			
4.5	IEC Pub 554-3-1	electrical paper	1 11 2021		)
146	IS 9335 (Part 3/Sec	Specification for cellulosic papers	April, 2021	-	Modified/Technically
1	2): 1985	for electrical purposes: Part 3			Equivalent
	EC Pub 554-3-2	specifications for individual			
	Reviewed In: 2021	materials: Sec 2 capacitor paper			

1	IEC Pub 554-3-2	l I		1	1
147	IS 9335 (Part 3/Sec 3): 1984 IEC 554-3-3 Reviewed In: 2021 IEC Pub 554-3-3	Specification for cellulosic papers for electrical purposes: Part 3 specifications for individual materials: Sec 3 crepe paper	April, 2021	-	Modified/Technically Equivalent
148	(1980) IS 9335 (Part 3/Sec 4): 1984	Specification for cellulosic papers for electrical purposes: Part 3	April, 2021	-	Modified/Technically Equivalent
	IEC 554-3-4 Reviewed In : 2021 IEC Pub 554-3-4 (1979)	specifications for individual materials: Sec 4 electrolytic capacitor paper			
149	IS 9335 (Part 3/Sec 5): 1985 IEC 554-3-5 Reviewed In: 2021 IEC Pub 554-3-5: 1984	Specification for cellulosic papers for electrical purposes: Part 3 specifications for individual materials: Sec 5 special papers	April, 2021	1	Modified/Technically Equivalent
150	IS 9455 : 1980 Reviewed In : 2016 ASTM D 748-71 (1977)	Classification of muscovite mica blocks, thins and films based on electrical properties	October, 2016	1	Modified/Technically Equivalent
151	IS 9502 : 1980 Reviewed In : 2016 ISO 5816 (1979)	Specification for muscovite mica components for electronic equipment	October, 2016	-	Modified/Technically Equivalent
152	IS 9947 : 2011 IEC 60587 : 2007 Reviewed In : 2016 IEC 60587 : 2007	Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion (First Revision)	August, 2016	-	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.	SI. No. Doc No. Title				
	No Records Found				

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

#### No Records Found

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

## Total Published Standards:147 Total Standards Under development:0

## **Aspect Wise Report**

Product: 73
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 Reviewed In : 2016	Low voltage high current arc resistance test - method of test
3	IS 14 : 1949	Classification of Processed Muscovite Mica Tentative
4	IS 1951 : 1962	Polyvinylchloride sleeving for electrical purpose
5	IS 2188 : 1962	Methods of test for paper for electrical purposes
6	IS 2448 (Part 2): 1968	Code of practice for finishing of wood and wood - Based materials Part 2 schedules
7	IS 3352 : 1965 Reviewed In : 2021	Specification for varnished cotton cloth and tape for electrical purposes
8	IS 350 : 1968	Organic Baking Impregnating Insulating Varnishes For Electrical Purposes
9	IS 351 : 1952	Insulated Varnish Baking Bitumen Type
10	IS 352 : 1973	Air-drying Insulating Varnishes For Electrical Purposes
11	IS 353 : 1952	Insulating Varnish Non-alcoholic Clear Air-drying
12	IS 3765 : 1966	Varnish impregnated cotton sleevings for electrical purposes
13	IS 4820 : 1968 Reviewed In : 2021	Specification for vulcanized fibre sheets electrical purposes
14	IS 5424 : 1969 Reviewed In : 2004	Rubber Mats For Electrical Purpose
15	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
16	IS 9299 (Part 2): 1992	Insulating materials based on built-up mica or treated mica paper Part 2 Methods of test

1	IEC 60371-1	
	Reviewed In: 2008	
17	IS 9299 (Part 3/Sec 1):	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for
	1979	individual materials Section 1 Rigid mica material for commutator separators
	IEC 60371-3-1	
	Reviewed In: 2008	
18	IS 9299 (Part 3/Sec 2):	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for
	1982	individual materials Section 2 Moulding mica materials for electrical purposes
	Reviewed In: 2006	
19	IS 9299 (Part 3/Sec 3):	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for
	1982	individual materials Section 3 Flexible mica flake tape for insulation of electrical machines
	Reviewed In: 2008	
20	IS 9299 (Part 3/Sec 4):	Insulating materials based on built-up mica or treated mica paper Part 3 Specifications for
	1982	individual materials Section 4 Rigid mica materials for heating equipment
	Reviewed In: 2008	
21	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	
22	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	
23	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):	Specification for insulating varnishes containing solvents Part 3 specifications for individual
	1983	materials Sec 4 baking varinishes with temperature index 120
	Reviewed In: 2016	
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	
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
	Reviewed In: 2018	

10	IC 10102 1002	Constitution for any desired in the Late City Coppers of the Late City
10	IS 10192 : 1982	Specification for synthetic resin bonded glass fibre SRBGF for electrical purposes
	Reviewed In: 2020 ISO/R	
	179-1961 etc	
11	IS 10333 : 1982	Specification for epoxy resin systems for cast resin insulated power and control cable joints and
10	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
	1988 Reviewed In : 2020 IEC	materials Sec 1 glass fabric backed varnished fabrics
	Doc: 15C (Central Office) 159	
13	IS 11298 (Part 1): 1985	Specification for plastic films for electrical purposes Part 1 definitions and general requirements
13	IEC 60674-1	specification for plastic rinns for electrical purposes rare i definitions and general requirements
	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
17	1991	Sec 1 polypropylene films for capacitors First Revision
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