

GLASS EPOXY SHEETS

Components	Glass Epoxy Laminate
Colour :	As per Customer Requirement
EN 60893 :	EP - GC 202 / HF (Halogen Free)
NEMA :	
DIN 7735 :	

AS PER ISO / IEC / ASTM

Mechanical Properties	Testmethod	Thickness	Value	Unit
Flexural Strength	ISO 178 - 01-E	≥ 3.0 mm	449	Mpa
Flexural Modulus of elasticity	ISO 178 - 01-E	≥ 3.0 mm	21706.000	Mpa
Compressive Strength	ISO 604-73(E)	≥ 3.0 mm	318.2	Mpa
Izod impact strength, parallel	ISO 180	≥ 3.0 mm	1274.18	J/m
Tensile strength	ISO 527-1-193	≥ 3.0 mm	292	Mpa
Elongation	ISO 527-1-193	≥ 3.0 mm	5.5	%
Electrical Properties		Thickness	Value	Unit
Electric Strength (Short time test) in oil 50° C	ASTM D 149-97a	≥ 3.0 mm	17.7	kv/mm
Dissipation factor (250v/50 Hz)	ASTM D 150-98	≥ 3.0 mm	0.016	
Insulation resistance after immersion in water 1	ASTM D 149-97 a	≥ 3.0 mm	3.7 X 10 ⁷	MΩ
Comparative tracking index	ASTM D 3638-93	≥ 3.0 mm	>600	CTI
ARC Resistance	ASTM D 495-99	≥ 3.0 mm	189.6	Sec.
Breakdown Voltage in oil	IEC -60243 (pt.1) 1998	≥ 3.0 mm	49.8	KV
Physical and thermal Properties		Thickness	Value	Unit
Flammability	UL - 94-1997		FVO	
Density	ISO:1183-2004	≥ 3.0 mm	1.94	g/cm ³
Water absorption after immersion in water - for 24 hrs at 23 0 C	ISO 62 - 1999	≥ 3.0 mm	0.053	mg

Characteristics and applications

Goods electrical properties such as high breakdown voltage in air and oil and highest arc resistance and tracking resistance. Self-extinguishing. Low smoke emission, halogen - free
Used as an insulation material in electrotechnical construction such as plate - enclosed distribution systems, partition plates, busbar carriers, etc,

Notes

A) Thickness :- Available from 2 mm up to 50 mm

The above values are average values based on the results of extensive testing in laboratories

MULTI CRAFTS

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