

## GLASS EPOXY SHEETS

<b>Components</b>	Glass Epoxy Laminate
<b>Colour :</b>	As per Customer Requirement
<b>EN 60893 :</b>	EP GC 203
<b>NEMA :</b>	
<b>DIN 7735 :</b>	

AS PER ISO / IEC / ASTM

Mechanical Properties	Testmethod	Thickness	Value	Unit
Flexural Strength	ISO 178 - 1975	≥ 3.0 mm	815.9	Mpa
Flexural Modulus of elasticity	ISO 178 - 1975	≥ 3.0 mm	27380.000	Mpa
Compressive Strength	ASTM D 695-2002a	≥ 3.0 mm	397.55	Mpa
Izod impact strength, parallel	ISO 180-1982(E)	≥ 3.0 mm	1401	J/m
Tensile strength	ISO 527-1-1996	≥ 3.0 mm	453.3	Mpa
Elongation	ISO 527-1-1996	≥ 3.0 mm	2.19	%

Electrical Properties		Thickness	Value	Unit
Electric Strength (Short time test) in oil 50° C	ASTM D 149-97a	≥ 3.0 mm	20.4	kv/mm
Dissipation factor (250v/50 Hz)	ASTM D 150-98	≥ 3.0 mm	0.004	
Insulation resistance after immersion in water 1	IEC 167-1964	≥ 3.0 mm	8.8 X 10 <sup>7</sup>	MΩ
Comparative tracking index	IEC 60112-2003	≥ 3.0 mm	>600	CTI
ARC Resistance	ASTM D 495-99	≥ 3.0 mm	183.7	Sec.
Breakdown Voltage in oil	IEC -60243 ( pt.1 ) 1998	≥ 3.0 mm	61.3	KV

Physical and thermal Properties		Thickness	Value	Unit
Flammability				
Density	ISO:1183-2004	≥ 3.0 mm	1.84	g/cm <sup>3</sup>
Water absorption after immersion in water - for 24 hrs at 23 0 C	ISO 62 - 1999	≥ 3.0 mm	0.024	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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