

GPO 3 - Sheets

Components	Glass mat - Polyester
Colour :	As per Customer Requirement
EN 60893 :	UP GM 203 (2472)
NEMA :	GPO3
DIN 7735 :	

AS PER ISO / IEC / ASTM

Mechanical Properties	Testmethod	Thickness	Value	Unit
Flexural Strength	ISO 178 - 1975	≥ 3.0 mm	160	Mpa
Flexural Modulus of elasticity	ISO 178 - 1975	≥ 3.0 mm	20597.000	Mpa
Compressive Strength	ISO604-73 (E)	≥ 3.0 mm	229.3	Mpa
Izod impact strength, parallel	ISO 180-1982(E)	≥ 3.0 mm	1141	J/m
Tensile strength	ISO 527-1-1996	≥ 3.0 mm	160	Mpa
Elongation	ISO 527-1-1996	≥ 3.0 mm	2.21	%
Electrical Properties		Thickness	Value	Unit
Electric Strength (Short time test) in oil 50° C	IEC 60243 (pt.1) 1998	≥ 3.0 mm	10.6	kv/mm
Dissipation factor (250v/50 Hz)	ASTM D 150-98	≥ 3.0 mm	0.023	
Insulation resistance after immersion in water 1	IEC 167-1964	≥ 3.0 mm	1.0 X 10 ¹¹	MΩ
Comparative tracking index	IEC 60112-2003	≥ 3.0 mm	>600	CTI
ARC Resistance	ASTM D 495-99	≥ 3.0 mm	199	Sec.
Breakdown Voltage	IEC -60243 (pt.1) 1998	≥ 3.0 mm	31.9	KV
Physical and thermal Properties		Thickness	Value	Unit
Flammability	UL - 94-1997	≥ 3.0 mm	F.V.-0	48 h/25°c / 50% RH
Density	ISO:1183-2004	≥ 3.0 mm	2.01	g/cm ³
Water absorption after immersion in water - for 24 hrs at 23 0 C	IEC 62 - 1999	≥ 3.0 mm	0.41	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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