

Epoxy Sheets – GPO3

GPO3 Laminates are manufactured using thermosetting resins and specially treated fibre glass mat suited for use at elevated temperatures.

They are laminated under controlled heat and specified hydraulic pressure to give a compact laminate which is characterized by high dielectric strength, excellent mechanical and thermal properties and good flexural strength.

Application

GPO3 sheets are popular for their high tracking resistance and are ideally suited for high voltage applications in the transformer and switchgear industry. They are also suitable for switchboards, LV and HV circuit breakers, bus bar supports and the like.

Availability

GPO Laminates are available in standard sizes of 1000mm x 1250mm and in thickness ranging from 0.50mm - 60mm thick.

Deviations in specifications, construction, sizes or packing can be made upon customers' request.





Shelf Life

GPO3 sheets exhibit no shelf life when stored up to 24 months at a temperature of 25°C and 50% relative humidity.

Item	Unit	Value
Density		1.8
Comparative Tracking Index (CTI)	Volts	>600
Arc Resistance	s	180
B D V (flatwise)	kV / mm	>15
Tensile Strength	MPa	350
Flexural Strength	MPa	300
Compressive Strength	MPa	300
Edgewise Impact Strength (Charpy)	kJ / sqm	>200

Reference standard – NEMAL LI 1 – GPO3

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