

Epoxy Sheets – G10

G 10 Laminates are manufactured using thermosetting resins and specially treated fibre glass cloth 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

G10 are popularly used for wedging applications in electromagnets as interlayer insulation, in switchgears as terminal plates, separators, connection rods and levers. They are also suitable for switchboards, LV and HV circuit breakers, bus bar supports and the like.

Availability

G10 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

G10 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	>300
Electrical Strength	kV / mm	>40
Tensile Strength	MPa	275
Flexural Strength	MPa	450
Compressive Strength	MPa	300
Edgewise Impact Strength (Charpy)	kJ / sqm	>350

Reference standard – NEMA G10

Hatim Dielectrics Private Limited

-  17/11 & 17/12 K B Sarani (Mall Road), Dum Dum, Kolkata 700 080 (India)
-  +91 33 4044 5152 / 4044 5252 / 4064 5151
-  www.hatimdielectrics.in  info@hatimdielectrics.in



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