



EPOXY GLASS LAMINATE

G10

NEMA G10 Grade material is made with continuous filament woven fibreglass sheet bounded with epoxy resin.

The material has the ability to maintain excellent mechanical, electrical and physical properties at elevated temperature at 140°C.

Material is Non-Brominated and Non-Flame Retardant.

It conforms to NEMA L1 G10, IEC 60893 EPGC201(sheet), IEC 61212 EPGC21(tube) and MIL-I-24768/2 GEE.

Sr. No.	Description	Units	Observed Values
MECHANICAL PROPERTIES			
1	Specific Gravity	g/m ²	1.85 ± 5
2	Flexural Strength	MPa	> 380
3	IZOD Impact Strength	kJ/m ²	> 36
4	Water Absorption	%	< 0.15
5	Tensile Strength @ 23°C	MPa	> 300
ELECTRICAL PROPERTIES			
5	Breakdown Voltage Parallel to laminates	Kv	> 45
6	Breakdown Voltage Perpendicular to laminates	Kv/mm	> 15
7	Insulation resistance	M Ohm	> 5 x 10 ⁴
8	Comparative Tracking Index	Volts	> 200