

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.

It confirms to NEMA L1 1/21 G10 and MIL Spec. 24768/2.

Sr. No.	Description	Units	Observed Values
MECHANICAL PROPERTIES			
1	Specific Gravity	g/m ²	1.85 ± 5
2	Flexural Strength	MPa	> 380
2	Flexural Strength @ 140°C	%	50
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 × 10 ⁴
8	Comparative Tracking Index	Volts	> 200