



# EPOXY GLASS LAMINATE

## NEMA G10 (NON-BROMINATED)

Laminated Sheet made from layers of fine and plain weave glass fabric , treated with Epoxy Resin having high temperature index unto 130°C.

The material has high mechanical and electrical properties. It has a good mating and punching properties.

Material is Non-brominated.

Sr. No.	Description	Units	Observed Values
1	Specific Gravity	-	1.9 - 2.0
2	Water Absorption	mg	≤ 20
2	Tensile Strength @ 23°C	Mpa	≥ 250
3	Cross Breaking Strength @ 23°C	Mpa	≥ 350
4	Cross Breaking Strength @ 130°C	Mpa	≥ 175
5	Compression Strength	Mpa	≥ 400
6	IZOD Impact Strength	KJ/m2	≥ 34
7	Shearing Strength	Mpa	≥ 110
8	Splitting Resistance	KN	≥ 3
7	Di-electric Strength - Flatwise	Kv/mm	≥ 12
8	Di-electric Strength - Edge Wise	Kv/mm	≥ 40
9	Insulation Resistance	M.Ohms	≥ 10 <sup>4</sup>
10	Comparative Tracking Index	Volts	≥ 250

