



# EPOXY GLASS LAMINATE

NEMA G10/ EPGC 201 / HGW 2372 / EP1

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.

It conforms to EN60893/IEC893 Grade EPGC 201, DIN7735 Grade HGW2372, NEMA LI-1 Grade G10 and IS10192 Grade EP1.

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

