



# EPOXY GLASS LAMINATE

EPGC203 / NEMA G11/ HGW 2372.4/ EP3

Laminated Sheet made from layers of fine and plain weave glass fabric , treated with Epoxy Resin having high temperature index unto 155°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 203, DIN7735 Grade HGW2372.4, NEMA LI-1 Grade G11 ans IS10192 Grade EP3.

Sr. No.	Description	Units	Observed Values
<b>MECHANICAL PROPERTIES</b>			
1	Specific Gravity	-	1.7 - 1.9
2	Water Absorption	mg	≤ 20
2	Tensile Strength @ 23°C	Mpa	≥ 300
3	Cross Breaking Strength @ 23°C	Mpa	≥ 320
4	Cross Breaking Strength @ 150°C	Mpa	≥160
5	Compression Strength	Mpa	≥ 350
6	Charpy Impact Strength	KJ/m2	≥ 34
<b>ELECTRIC PROPOERTIES</b>			
7	Di-electric Strength - Flatwise	Kv/mm	≥ 10.2
8	Di-electric Strength - Edge Wise	Kv/mm	≥ 35
9	Insulation Resistance	Ohms	≥ 5 x 10 <sup>4</sup>
10	Comparative Tracking Index	Volts	≥ 180

