



EPOXY GLASS ROVING LAMINATE

EPGC 205

Laminated Sheets are made of continuous filament woven fibreglass bonded with high temperature epoxy resin.

The material has ability to withstand elevated temperature upto 150°C and sustain excellent mechanical and mechanical properties at elevated temperature.

Material meets the IEC 60893-3-2 EPGC205 standard.

Sr. No.	Description	Units	Observed Values
MECHANICAL PROPERTIES			
1	Specific Gravity	-	1.7 - 1.9
2	Water Absorption	mg	< 20
2	Tensile Strength @ 23oC	Mpa	> 400
3	Cross Breaking Strength @ 23°C	Mpa	> 340
4	Cross Breaking Strength @ 150°C	Mpa	>170
5	Compression Strength	Mpa	> 350
6	Charpy Impact Strength	KJ/m2	> 34
ELECTRICAL PROPERTIES			
7	Electrical Strength @ 90°C in Oil, Perpendicular to laminates	Kv/mm	> 9
8	Breakdown Voltage @ 90°C in Oil, Paralle to laminates	Kv	> 50
9	Insulation Resistance	Ohm	5x10 ⁴