



# EPOXY GLASS ROVING LAMINATE

EPGC 205 / HGW 2370.4

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.

It conforms to IEC 60893 and DIN7735 standards.

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 @ 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
<b>ELECTRICAL PROPERTIES</b>			
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 <sup>4</sup>



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