



# EPOXY MATT LAMINATE

## EPGM203

Laminated Sheet made from layers of chopped strand glass matt, treated with Epoxy Resin having high temperature index upto 155°C.

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

Sr. No.	Description	Units	Observed Values	Test Reference
<b>PHYSICAL</b>				
1	Specific Gravity	g/cm <sup>3</sup>	1.8 ± 0.1	DIN EN 53479
2	Water Absorption at 20°C for 24 hours	mg	22	ASTM-D570
3	Temperature Index	TI	155°C	-
<b>MECHANICAL</b>				
4	Flexural strength @ 23°C	Mpa	≥ 320	ISO 178
5	Flexural strength @ 155°C	Mpa	≥ 50%	ISO 178
6	Tensile strength	Mpa	≥ 250	ISO 527
7	Compressive Strength	Mpa	≥ 350	ISO 604
<b>ELECTRICAL</b>				
8	Electric strength in oil 90 °C - perpendicular	Kv/3mm	≥ 10.2	IEC 243-1
9	Insulation resistance after immersion in water	M-Ohms	≥ 5x10 <sup>4</sup>	IEC 167