



# POLYESTER GLASS LAMINATE

## UPGM 205

Laminated Sheet made from layers of fine glass mat, treated with Resin having high temperature index upto 150°C.

The material has high mechanical and electrical properties. It has a good mating and punching properties. It offers excellent flame, arc and track resistance.

Common Applications are in generators, transformers and railways components.

Testing Standard : IEC 60893 UPGM 205.

S I. No.	Properties	Unit	Observed Values
01.	Physical Appearance	--	Smooth
02.	Flexural Strength at Room Temperature	MPa	>250
03.	Flexural Strength at 150°C	Mpa	>125
04.	IZOD Impact Strength, Parallel to laminate	KJ/m <sup>2</sup>	>45
04.	Charpy Impact Strength, Parallel to laminate	KJ/m <sup>2</sup>	>43
06.	Electric Strength at 90°C in oil, Perpendicular to laminate	Kv/mm	9
07.	Breakdown Voltage at 90°C in oil, Parallel to laminate	Kv	35
08.	Proof Tracking Index (CTI)	--	>500
09.	Flammability	--	V0
10.	Insulation Resistance	M.Ohm	>5 x 10 <sup>2</sup>
11.	Water Absorption Ability	%	0.06