



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 switchgear, 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	> 350
03.	Flexural Strength at 150°C	Mpa	> 175
04.	Compressive Strength	MPA	> 500
04.	Tensile strength	MPa	> 200
06.	Electric Strength at 90°C in oil, Perpendicular to laminate	Kv/mm	13
07.	Breakdown Voltage at 90°C in oil, Parallel to laminate	Kv	50
08.	Proof Tracking Index (CTI)	V	> 600
09.	Flammability	UL 94	V0
10.	Insulation Resistance	M.Ohm	> 100
11.	Water Absorption Ability	%	0.06

Note: For this type of sheet, a slight porosity is entirely uncommon and cannot be ruled out. Due to not trimmed edges we cannot guarantee the homogeneity at the periphery.

