



POLYESTER GLASS LAMINATE

UPGM 203

Laminated Sheet made from layers of fine glass mat , treated with Resin having high temperature index upto 130°C.

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

Due to its Fire-retardant properties, material is perfect for Railways applications.

Testing Standard : IEC 60893 UPGM 203.

S I. No.	Properties	Unit	Observed Values
01.	Physical Appearance	--	Smooth
02.	Flexural Strength at Room Temperature	MPa	>150
03.	Flexural Strength at 130°C	Mpa	>75
04.	Compressive Strength	Mpa	>250
04.	Tensile Strength	Mpa	>80
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	60
08.	Proof Tracking Index (CTI)	V	>600
09.	Flammability	UL94	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.