

COTTON PHENLOIC RESIN LAMINATE



PFCC 201/ NEMA C / HGW 2072

Laminated Sheet made from layers of fine cotton fabric, treated with Phenolic Resin. The material technical and structural applications. It has a good wear resistance, low moisture absorption and good mechanical strength.

Due to its good mechanical strength and impact resistance it is ideal for use in structural supports. The material is equipped with good sliding properties and is resistant against solvents, oils, fuels, etc. It conforms to NEMA LI-1, IEC 60893, DIN7735 and MIL 24768 standard.

Sr. No.	Description	Units	Values
1	Specific Gravity	-	1.35
2	Water Absorption	%	< 1
3	Tensile Strength @ 23°C	Mpa	≥ 65
4	Flexural Strength @ 23°C	Mpa	≥ 130
5	Compression Strength	Mpa	≥ 200
6	Charpy Impact Strength	KJ/m ²	≥ 10
7	Shearing strength	Mpa	≥ 45
8	Breakdown Voltage	Kv/mm	≥ 5
9	Insulation Resistance	M-Ohms	> 80
10	Comparative Tracking Index CTI	Volts	> 100
11	Thermal Endurance	TI	120 °C

