F2 Fine Weave Phenolic Cotton Laminate SRBF

Material Details

Grade:	F2
Description:	Phenolic Cotton. Fine Weave SRBF
Comments:	A cost effective Cotton Phenolic laminate made from fine weave cotton fabric, with good electrical and mechanical properties. Can be machined to a good finish.
Specifications:	The closest NEMA equivalent to this specification is NEMA L
Body Colour:	Sandy Brown
Cover Colour:	Sandy Brown
Finish:	Satin/Glossy
Size:	2440 x1220mm , 1220 x 1220mm Thickness Range: 0.8 – 260mm

Typical Applications

- Ball Race Cages
- Bolts and Screws
- Cryogenic Resistance Components
- Gears - Medium Tooth
- Insulating Bushes Spacers Sleeves
- Jigs and Fixtures
- Low Voltage Insulation
- Piston Rings
- Punched Components
- Rotor Blades (compressor)
- Wear Resistant Components

General Properties

Property	Unit of measure	Typical Value
Density	g/cm3	1.35
Water Absorption	mg	120 mg

+91 9825012148 creativecarbon@gmail.com www.phenolicsheet.in

Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Electrical Properties

Property	Unit of measure	Typical Value
IR (24hrs Water Immersed)	G Ω	0.8
IR (Dry)	G Ω	0.8
Electric Strength (Flat Rapid)	MV/m	4
Breakdown Voltage (Edge Step by Step)	kV	32
Tracking Index	V	110

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	155
Tensile Strength	MPa	80
Impact (Notched CHARPY)	kJ/m2	9
Compressive Strength	MPa	225

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	115
Thermal Rating Intermittent	°C	125

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user's responsibility to ensure suitability for the intended end use.