

SRBF fine weave sheet

Fabric Based Laminates - (Fine Weave - PF CC 204)

For mechanical and electrical applications

SRBF fine is a phenolic cotton laminate made from fine weave cotton fabric, exhibiting good electrical and mechanical properties.

Properties	Test method	Unit	Value
Mechanical			
Flexural strength	ISO 178	MPa	100
Modulus of elasticity (flexural)	ISO 178	MPa	7
Compressive strength perpendicular	ISO 604	MPa	-
Notch impact strength	ISO 179/3C	KJ / m²	6
Shear strength parallel	VDE 0318/2	MPa	20
Tensile strength	ISO 527-4	MPa	80
Thermal			
Thermal endurance	IEC 60216	T.I.	120
Flammability	IEC 60707	-	-
Electrical			
Dielectric strength perp. (at 90 °C in oil)	IEC 60243-1	kV / mm	4
Dielectric strength parallel at 90 °C in oil	IEC 60243-1	kV	20
Permittivity 50 Hz	IEC 60250	-	5,5
Permittivity 1 MHz	IEC 60250	-	-
Dissipation factor 50 Hz	IEC 60250	-	-
Dissipation factor 1 Hz	IEC 60250	-	-
Insulation resistance	IEC 60167	MΩ	50
Proof tracking index	IEC 60112	V	-
Tracking resistance (CTI)	IEC 60112	V	100
Additional Data			
Density	ISO 1183	g / cm³	1,3 → 1,4
Water absorption (thickness 10mm)	ISO 62	mg	209
Resin	–	–	Phenolic
Substrate	–	–	Cotton cloth
Shapes	Sheet (0.1 → 360)	1050x1020, 1050x2150 and 1250x2800	
Colour	Sandy Brown		

- **Fine Weave SRBF** is specially treated to enhance machinability, allowing accuracy and a fine machined finishes.

The data provides information about our products and offers a guide for material selection. This does not provide an assurance of specific properties or the products suitability for a particular application.

It solely remains the customers responsibility to test and assess the suitability and compatibility of Plastim's products for it's intended applications, processes and uses. The customer undertakes all liability in respect of the application, processing or use of the aforementioned information or product.

- * The flexural strength measured at 150 °C ± 3K must not be less than 50% of the defined value
- * The flexural strength measured at 130 °C ± 3K must not be less than 50% of the defined value.
- * After 96 h pretreatment in air at 105 °C ± 5K directly prior to testing and immediate immersion in the hot oil

Properties can vary depending on the raw shape selected. The actual property values of a finished product may differ from the indicated values stated.