

SRBF fine weave rod

Fabric Based Laminates - (Fine Weave - PF CC 41)

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	125
Compressive strength axial	ISO 604	MPa	90
Adhesion between layers	IEC 61212-2	MPa	-
Thermal			
Thermal endurance	IEC 60216	T.I.	120
Electrical			
Dielectric strength perp. (at 90 °C in oil)	IEC 60243-1	kV / mm	-
Dielectric strength parallel at 90 °C in oil	IEC 60243-1	kV	5
Insulation resistance	IEC 60167	MΩ	5
Additional Data			
Density	ISO 1183	g / cm ³	1,2 → 1,4
Water absorption	ISO 62	mg/cm ²	5
Resin	-	-	Phenolic
Substrate	-	-	Cotton cloth
Shapes	Tube (Ø 8 → 300 approx)	1000mm	
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
- * 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.