



SRBF F1 FABRIC LAMINATE

Properties	Units	Values
Density	g/cm ³	1.3 - 1.4
Water Absorption		
1.6mm	mg	-
3.0mm	mg	-
6.0mm	mg	120
12.0mm	mg	-
Thermal Properties		
Max. allowable service temperature :		
- for short periods	°C	130
- continuously	°C	120
Thermal classification	-	E
Flammability category	-	-
Thermal conductivity through laminate	W/(mk)	0.20
Thermal expansion in plane of laminate	x10 ⁻⁵ /K	1.95
Specific heat	KJ / (kgK)	1.5
Mechanical Properties at 23°C		
Modulus of elasticity - bending test	MPa	7000
Impact strength (x n 10 and x n 15)	kJ/m ²	30
Compressive strength	MPa	150
Resistance to flatwise compression	%	1.4
Flexural strength	%	130
Tensile strength	MPa	80
Electrical Properties at 23°C		
1 Minute test voltage parallel to lamination	KV	25
Loss tangent at 1MHz	-	-
Permittivity at 1MHz	-	-
Dielectric constant Er	Er	5
Comparative tracking index (CTI)	-	100
Specifications		
BS2572 Type F1		
BSEN60893 Type 3-4-PFC305		

For latest datasheets,
visit our website:

aiplastics.com

While the information on this data sheet is believed to be correct at the time of publication, it is the customer's responsibility to ensure the correct use and application of this product. The buyer undertakes all liability in respect of the application, processing or use of this information or product, whose quality and other properties he shall verify, or any consequence thereof.