



## SRBF F2 FABRIC LAMINATE

Properties	Units	Values
Density	g/cm <sup>3</sup>	1.3 - 1.4
Water Absorption		
1.6mm	mg	90
3.0mm	mg	105
6.0mm	mg	122
12.0mm	mg	160
<b>Thermal Properties</b>		
Max. allowable service temperature :		
- for short periods	°C	130
- continuously	°C	120
Thermal classification	-	E
Flammability category	-	-
Thermal conductivity through laminate	W/(mk)	0.32
Thermal expansion in plane of laminate	x10 <sup>-5</sup> /K	2.2
Specific heat	KJ / (kgK)	1.5
<b>Mechanical Properties at 23°C</b>		
Cross breaking strength	MPa	130
- at 150°C (after 1 hour at 150°C)	MPa	-
- at 150°C (after 100 hours at 150°C)	MPa	-
Charpy impact strength - Unnotched	kJ/m <sup>2</sup>	30
Charpy impact strength - Notched	kJ/m <sup>2</sup>	11.5
Compressive strength - Flatwise	MPa	310
Compressive strength - Edgewise	MPa	200
Resistance to flatwise compression	%	1.5
Flexural strength	MPa	115
<b>Electrical Properties at 23°C</b>		
Insulation resistance - after immersion in water	Ohm	1x10 <sup>8</sup>
Loss tangent at 1MHz	-	-
Permittivity at 1MHz	-	-
Dielectric constant Er	Er	5
Comparative tracking index (CTI)	-	100
<b>Specifications</b>		
BS2572 Type F2		
BSEN60893 Type 3-4-PFC203		
NEMA CE		
DIN7735 HGE2082.5		

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