



SRBP P 1 PAPER LAMINATE

Properties	Units	Values
Density	g/cm ³	1.35
Water Absorption		
1.6mm	mg	60
3.0mm	mg	70
6.0mm	mg	100
12.0mm	mg	150
Thermal Properties		
Max. allowable service temperature :		
- for short periods	°C	120
- continuously	°C	90
Thermal classification	-	A / E
Flammability category	-	-
Thermal conductivity through laminate	W/(mk)	-
Thermal expansion in plane of laminate	x10 ⁻⁵ /K	-
Specific heat	KJ / (kgK)	-
Mechanical Properties at 23°C		
Cross breaking strength	MPa	175
- 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 ²	30
Charpy impact strength - Notched	kJ/m ²	3.9
Compressive strength - Flatwise	MPa	280
Compressive strength - Edgewise	MPa	-
Resistance to flatwise compression	%	1.3
Flexural strength - Flatwise	MN/m ²	150
Shear strength	MPa	130
Electrical Properties at 23°C		
Insulation resistance - after immersion in water	M Ohm	5 x 10
Loss tangent at 1MHz	-	-
Permittivity at 1MHz	-	-
Dielectric constant Er	Er	-
Comparative tracking index (CTI)	-	110
Specifications		
BS2572 Type P1		
BSEN60893 Type 3-4-PFCP201		

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