



Paxolin Sheet

Paxolin sheets are a commercial quality paper based laminate and offer good mechanical and electrical properties in low voltage applications. It's strong, rigid and economical making it perfect for applications such as terminals boards, mounting plates, busbar supports and cable supports.

Size	Part Code
1200x1200x6mm	MAPBFS
1200x600x6mm	MAPB126
600x600x6mm	MAPB66

Paxolin (SRBP P 1 Paper Laminate) Specification

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		

Web: www.spwales.com | Email: sales@spwales.com | Phone: 01803 295430 | Fax: 01803 212819

While Stephen P Wales Ltd has made every reasonable effort to ensure the accuracy of this information, Stephen P Wales Ltd does not guarantee that it is error-free, nor does Stephen P Wales Ltd make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current.

Stephen P Wales Ltd reserves the right to make any adjustments to the information contained herein at any time without notice.