

Product Data Sheet

P1 Paper is a low cost commercial quality paper based laminate and is used for low cost, low voltage installations, jigs and fixtures. It can also be used to machine templates, machine assembly plates, foundry patten plates, drilling jigs and any use that requires a tough, light weight material with reasonable electrical properties.

Physical Properties

Properties		Units	Values
Colour			Brown
Density		g/cm ³	1.35
Water Absorption	1.6mm	mg	60
	3mm	mg	70
	6mm	mg	100
	12mm	mg	150
Thermal Properties			
Maximum working temperature	Continuous	°C	90
	Intermittent	°C	120
Thermal classification			A/E
Mechanical Properties			
Cross breaking strength		Mpa	175
Charpy impact strength	Un-notched	kJ/m ²	3
	Notched	kJ/m ²	3.9
Compressive strength	Flatwise	MN / m ²	280
	Edgewise	MN / m ²	-
Resistance to flatwise compression		%	1.3
Flexural Strength	Flatwise	MN / m ²	150
	Edgewise	MN / m ²	-
Shear Strength		Mpa	-
Electrical Properties			
Insulation resistance		M Ohms	5 x 10

Specifications

BS2572 Type P1
BSEN60893 Type 3-4-PFCP202

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.