

Laminated Insulations

& Plastics Ltd.

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Technical Data Sheet

SRBP Grade P1

Low general purpose commercial grade for low voltage applications, good all-round qualities. Thermal class "E".

Physical Properties

		Unit	Value
Cross Breaking strength		MPa	165
Impact strength, notched charpy		kJ/ m ²	3.9
Resistance to flat wise compression			1.3
Shear strength, flat wise		MPa	100
Water absorption	1.6mm	MG	65
Electrical strength in oil @ 90°C	1.6mm	%	10.0
	3.0mm	MV/m	6.2
	6.0mm		4.0
	12.0mm		2.5
Electrical strength edgeways in oil @ 90°C		kV	25
Insulation resistance after immersion in water		M.ohms	10 ²
Loss tangent @1MHz		Tan	0.04
Permittivity @ 1MHz			5.4
Comparative tracking index		V	110
Relative Density			1.35
Maximum working temperature	Continuous	°C	100
	Intermittent	°C	120
Standard sheet size		mm	1220 ²
Standard thickness range		mm	0.8 / 75

Colour: Red/Brown

Specification to BS 2572 type P2/1

These are typical average values and do not constitute a specification. It is the responsibility of the customer to assess the suitability of the product for use.

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