

Date Generated: 03.05.24

B4PQ Product Data Sheet

Material Details

Grade:	B4PQ. (Type: Paper Based Laminates - SRBP)
Description:	Phenolic Paper. Punching quality commercial grade
Comments:	A cold/warm punching version of B4, available in thickness up to 3mm. Widely used for punching small components, such as fluorescent lamp cap insulators, terminal strips, coil formers and washers. B4PQ can be supplied with black covers upon request.
Specifications:	BSEN60893-3-4-PFCP201&PFCP207 The closest NEMA equivalent to this specification is NEMA XP.
Body Colour:	Dark Brown
Cover Colour:	Brown
Standard Finish:	Satin/Glossy
Size:	1220 x 1220 Thickness Range: 0.8 - 3.0 †

Typical Applications

- Terminal Boards and Tag Strips
- Precision Machined Parts
- Pipeline Insulation
- Mechanical Applications
- Low Voltage Insulation
- Jigs and Fixtures
- Insulating Bushes Spacers Sleeves
- Coil Formers

General Properties

Property	Unit of measure	Typical Value
Density	g/cm ³	1.35
Water Absorption	mg	66
Flammability Category‡	-	FH1

‡ Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Electrical Properties

Property	Unit of measure	Typical Value
IR (24hrs Water Immersed)	G □	0.2
IR (Dry)	G □	0.2
Electric Strength (Flat Rapid)	MV/m	6
Breakdown Voltage (Edge Step by Step)	kV	40
Tracking Index	V	110

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	188
Tensile Strength	MPa	120
Impact (Notched CHARPY)	kJ/m2	4.5

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	100
Thermal Rating Intermittent	°C	120

Notes

- Datasheet Issue No. 1

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user's responsibility to ensure suitability for the intended end use.

Source: <https://www.attwater.com/products/b4pq/>