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B4PQ Product Data Sheet

BSEN60893-3-4-PFCP201&PFCP207 B4PQ Phenolic Paper Punching Quality Laminate SRBP

Material Details

Grade:	B4PQ
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 an be supplied with black covers upon request.
Specifications:	BSEN60893-3-4-PFCP201&PFCP207The closest NEMA equivalent to this specification is NEMA XP
Body Colour:	Dark Brown
Cover Colour:	Brown
Finish:	Satin/Glossy
Size:	1220 x 1220 Thickness Range: 0.8 - 3.0

Typical Applications

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

General Properties

Property	Unit of measure	Typical Value
Density	g/cm3	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 Ω	0.2
IR (Dry)	G Ω	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

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

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/