Attwater & Sons Ltd +44 (0)1772 258245
Email: info@attwater.com
www.attwater.com

Date Generated: Monday 23rd of February 2026

B42 Product Data Sheet

BSEN60893-3-2-EPCC301 B42 Epoxy Cotton Laminate SRBF

Material Details

Grade:	B42
Description:	Epoxy Cotton. Anti-tracking, easy to machine
Comments:	Fine weave cotton epoxy laminate. Can be easily machined to a fine finish with good anti track properties, coupled with high mechanical and electrical strength.
Specifications:	BSEN60893-3-2-EPCC301 (Which supersedes BS2572 F6).
Body Colour:	Cream
Cover Colour:	Cream
Finish:	Satin/Glossy
Size:	1220 x 1220 Thickness Range: 0.8 - 150.0

Typical Applications

- Busbar Supports
- Chemical Resistance Components
- Gears - Fine Tooth
- Gears - Medium Tooth
- High Voltage Insulation
- Precision Machined Parts
- Rotor Blades (compressor)
- Seal Rings
- Slot Wedges
- Track Resistance

General Properties

Property	Unit of measure	Typical Value
Density	g/cm3	1.35
Water Absorption	mg	55

¥ 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	6
IR (Dry)	G Ω	6
Electric Strength (Flat Rapid)	kV/mm	15
Breakdown Voltage (Edge Step by Step)	kV	70
Tracking Index	V	>600

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	190
Tensile Strength	MPa	80
Impact (Notched CHARPY)	kJ/m2	9.2

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	130
Thermal Rating Intermittent	°C	145

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/b42/