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B34 Product Data Sheet

BSEN60893-3-7-PIGC301 B34 Polymide Glass Laminate SRBG

Material Details

Grade:	B34
Description:	Polyimide Glass. High temperature high strength
Comments:	High temperature, high performance laminates developed for applications where good dimensional stability, electrical / mechanical strength and rigidity are required at elevated temperatures. Capable of long-term use at 200 deg C and intermittent use at higher temperatures.
Specifications:	BSEN60893-3-7-PIGC301 (Which supersedes BS3953 PI1).
Body Colour:	Dark Brown
Cover Colour:	Dark Brown
Finish:	Matt
Size:	1220 x 1220 Thickness Range: 0.4 - 100.0

Typical Applications

- Chemical Resistance Components
- High Temperature Components
- Jigs and Fixtures
- Mechanical Applications
- Precision Machined Parts
- Slot Wedges
- Thermal Splash Barriers
- Welding Jigs

General Properties

Property	Unit of measure	Typical Value
Density	g/cm3	2
Water Absorption	mg	34
Flammability Category¥	--	FV0

¥ 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	6000
IR (Dry)	G Ω	6000
Electric Strength (Flat Rapid)	MV/m	15
Breakdown Voltage (Edge Step by Step)	kV	92
Relative Permittivity @ 1 MHz	--	5.4
Dissipation Factor @ 1 MHz	--	0.025
Tracking Index	V	165

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	540
Flexural Strength at 150°C	MPa	350
Tensile Strength	MPa	350
Impact (Notched CHARPY)	kJ/m2	80

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	200
Thermal Rating Intermittent	°C	250

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/b34/