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B4EB Product Data Sheet

B4EB Composite Phenolic Paper Core with Epoxy Glass Surface

Material Details

Grade:	B4EB
Description:	Phenolic base - Epoxy Cover Paper base - Glass Cover. Phenolic paper core surfaced with an epoxy glass layer
Comments:	Bakelaque B4EB is a laminated SRBP sheet, which is surfaced with an epoxy glass layer overlaid with a coloured barrier. The product is primarily designed to give an SRBP type material with better dimensional stability imparted by the woven glass.
Body Colour:	Black
Size:	1220 x 1220 Thickness Range: 0.8 x 75.0

Typical Applications

- Jigs and Fixtures
- Mechanical Applications

General Properties

Property	Unit of measure	Typical Value
Water Absorption	mg	90

¥ 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	0.01
IR (Dry)	G Ω	0.01
Electric Strength (Flat Rapid)	MV/m	4
Breakdown Voltage (Edge Step by Step)	kV	10

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	275

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	100
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/b4eb/