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## B4WF Product Data Sheet

### Material Details

<b>Grade:</b>	B4WF. (Type: Paper Based Laminates - SRBP)
<b>Description:</b>	Phenolic Paper. Brown Body with White Covers
<b>Comments:</b>	A high quality commercial grade for normal temperature and low-tension electrical applications. B4 (brown) body with white covers.
<b>Specifications:</b>	BSEN60893-3-4-PFCP201 The closest NEMA equivalent to this specification is NEMA X.
<b>Body Colour:</b>	Brown
<b>Cover Colour:</b>	White
<b>Standard Finish:</b>	Glossy
<b>Size:</b>	1220 x 1220 Thickness Range: 0.8 - 75.0 †

### Typical Applications

- Tables/Carriers
- Mechanical Applications
- Low Voltage Insulation
- General Engineering
- Conveyor Trays

### General Properties

Property	Unit of measure	Typical Value
Density	g/cm <sup>3</sup>	1.35
Water Absorption	mg	200 mg

† 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 □	0.01

Property	Unit of measure	Typical Value
IR (Dry)	G □	0.01
Electric Strength (Flat Rapid)	kV/mm	4
Breakdown Voltage (Edge Step by Step)	kV	10
Tracking Index	V	110

## Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	170
Tensile Strength	MPa	120
Impact (Notched CHARPY)	kJ/m <sup>2</sup>	4

## 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/b4wf/>