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## B5 Product Data Sheet

### Material Details

<b>Grade:</b>	B5. (Type: Paper Based Laminates - SRBP)
<b>Description:</b>	Phenolic Paper. Low Cost Commercial Grade SRBP (Not manufactured by The Attwater Group)
<b>Comments:</b>	Developed as a low cost alternative to type B4. B5 is intended as a general purpose product where cosmetic appearance is not critical. It is general manufactured to meet the requirements of BSEN60893-3-4-PFCP201.
<b>Body Colour:</b>	Dark Brown
<b>Cover Colour:</b>	Brown
<b>Standard Finish:</b>	Satin/Glossy
<b>Size:</b>	1220 x 1220 Thickness Range: 0.8 - 75.0 †

### Typical Applications

- Welding Jigs
- Terminal Boards and Tag Strips
- Precision Machined Parts
- Mechanical Applications
- Low Voltage Insulation
- Jigs and Fixtures
- High Voltage Insulation
- Coil Formers

### General Properties

Property	Unit of measure	Typical Value
Density	g/cm <sup>3</sup>	1.35
Water Absorption	mg	200
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 □	0.01

Property	Unit of measure	Typical Value
IR (Dry)	G □	0.01
Electric Strength (Flat Rapid)	MV/m	2
Breakdown Voltage (Edge Step by Step)	kV	10
Tracking Index	V	110

## Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	190
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/b5/>