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## B12F2 Product Data Sheet

### Material Details

<b>Grade:</b>	B12F2. (Type: Fabric Based Laminates - SRBF)
<b>Description:</b>	Phenolic Cotton. Low Cost Commercial Grade SRBF (Not manufactured by The Attwater Group)
<b>Comments:</b>	Developed as a low cost alternative to type B12. B12F2 is intended as a general purpose product where cosmetic appearance is not critical. It is generally manufactured to meet the requirements of BSEN60893-3-4-PFCC203. Also available in sheet size 2440 x 1220 by request.
<b>Body Colour:</b>	Sandy Brown
<b>Cover Colour:</b>	Sandy Brown
<b>Standard Finish:</b>	Satin/Glossy
<b>Size:</b>	1220 x 1220 Thickness Range: 0.4 - 150.0 †

### Typical Applications

- Welding Jigs
- Wear Resistant Components
- Thrust Washers
- Slideways
- Scraper Blades
- Rotor Blades (compressor)
- Rolling Mill Bearings
- Punched Components
- Pulleys and Sheaves
- Piston Rings
- Pipeline Insulation
- Low Voltage Insulation
- Jigs and Fixtures
- Insulating Handles
- Insulating Bushes Spacers Sleeves
- Heavy Duty Rollers
- Guide Plates and Star Wheels
- Gears - Medium Tooth
- Gears - Coarse Tooth
- Cryogenic Resistance Components
- Conveyor Wheels
- Cams and Camfollowers
- Bolts and Screws
- Ball Race Cages

### General Properties

Property	Unit of measure	Typical Value
Density	g/cm <sup>3</sup>	1.35
Water Absorption	mg	110

† 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
Electric Strength (Flat - 1.6mm thickness)	kV/mm	1.5
Breakdown Voltage	kV	4.0

## Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	115
Tensile Strength	MPa	68
Impact (CHARPY)	kJ/m <sup>2</sup>	9

## Thermal Properties

Property	Unit of measure	Typical Value
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## 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/b12f2/>