



PRODUCT: COTTON PHENOLIC SHEET

Technical Data (Cotton Base Industrial Laminates - F1 Graphite)

GRADE: LPFG

COLOUR: Sheets are supplied in black

THICKNESS: 0.4 mm - 16 mm

DESCRIPTION:

LPFG - Grade materials are manufactured from fine weave scoured cotton fabric with resin and graphite inclusion. (Approx. 2%). Has good mechanical properties and can be machined to a fine finish. This is suitable for small components such as instrument gears as well as intricate machined items.

SIZE: Standard Sizes are 1220 x 1220mm

TOLERANCES:

Sheets are supplied as per tolerance specified in Bs2572. Material can be supplied with still closer tolerance as per customer's requirement.

Properties	Units	Average Test Results
Mechanical		
Tensile Strength	Kgf/cm ²	700
Flexural Strength/Cross breaking Strength	Kgf/cm ²	1200
Shear Strength	Kgf/cm ²	735
Impact Strength (Edgewise) (Charpy Method)	KJ/m ²	8
Specific Gravity		1.38
Electrical		
Not Suitable		
Water Absorption		
* Thickness	mm	
Typical Value Results /Average Test Results	mg	
Thermal Classification Continuous °C		100 (class E)
Thermal Classification Intermittent °C		120

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. Data supplied above are "Typical Values", not to be considered "Specification Values".