

**F1 GRAPHITE**

**GRADE:** LPFG

**COLOUR:** BLACK

**THICKNESS:** 0.4 - 16MM

**DESCRIPTION:** LPFG - GRADE MATERIALS ARE MANUFACTURED FROM THE FINE WEAVE SCOURED COTTON FABRIC WITH RESIN & 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.

**SIZES:** 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.

<u>PROPERTIES</u>	<u>AVERAGE TEST RESULT</u>	<u>UNIT</u>
<b><u>MECHANICAL</u></b>		
TENSILE STRENGTH	700	Kgf/cm <sup>2</sup>
FLEXURAL STRENGTH/CROSS BREAKING STRENGTH	1200	Kgf/cm <sup>2</sup>
SHEAR STRENGTH	735	Kgf/cm <sup>2</sup>
IMPACT STRENGTH (EDGEWISE) (CHARPY METHOD)	8	KJ/m <sup>2</sup>
SPECIFIC GRAVITY	1.38	-
<b><u>ELECTRICAL</u></b>		
<i>NOT SUITABLE</i>		
<b><u>WATER ABSORPTION</u></b>		
THICKNESS		mm
TYPICAL VALUE RESULTS/AVERAGE TEST RESULTS		mg
THERMAL CLASSIFICATION CONTINUOUS °C	100 (class E)	
THERMAL CLASSIFICATION CONTINUOUS °C	120	