

TECHNICAL DATA (Fabric Base Industrial Laminates Grade F3)

GRADE	:	LPF-3 (F3)
COLOUR	:	Sheets are supplied in natural colour, but can be also supplied as per requirement i.e. Dark Brown or Black
Colour		
THICKNESS	:	0.8 MM - 150.0 MM.
DESCRIPTION	:	LPF - 3 Grade material is manufactured from coarse weaved, Grey Cotton Fabric. The material of this grade is strong and tough with good machining properties. It is suitable for heavy duty gears and other applications requiring high impact strength.
SIZE	:	Standard size are 2440 x 1220 / 1220 x 1220 mm/1220mm x 610 610mm x 610mm.
TOLERANCES	:	Sheets are supplied as per tolerance specified in IS:2036. Material can be supplied with still closer tolerance as per customers requirement.

PROPERTIES	UNITS	AVERAGE TEST RESULTS	VALUES AS PER IS: 2036 - 1995.
<u>MECHANICAL:</u>			
Tensile Strength	Kgf/cm ²	700	--
Flexural Strength/ Cross Breaking Strength	Kgf/cm ²	1300	1000 Min.
Shear Strength	Kgf/cm ²	735	650 Min.
Impact Strength (Edgewise) (Charpy Method)	KJ/m ²	10.0	8.8 Min.
Specific Gravity		1.35	-----
<u>ELECTRICAL:</u>			
Electric Strength in oil at 90°C			
* Flat wise 1.6 mm Thk	Kv/mm	1.2	0.72 Min.
* Edgewise 3.2 mm Thk	Kv	2	1.0 Min.
Insulation Resistance after immersion in water for 24 hours at 20°C	Meg Ohms	10.0	0.5 Min.
<u>WATER ABSORPTION</u> (Specimen size - 50 ± 1 mm square)			
** Thickness	mm	1.6 6.0 20.0 25.0	
** Maximum Values	mg	220 277 384 420	
** Average Test Results	mg	116 188 195 250	

SPECIFICATIONS MET: **BS:2572::1955::GRADE F3 / EN-60893-3-4-PFCC201**
DIN: 7735 GRADE HGW: 2082

