TECHNICAL DATA (Fabric Base Industrial Laminates - Grade F1)

LAMTUF GRADE

LPF - 10

COLOUR

: Sheets are supplied in natural colour, but can be also supplied as per

requirement i.e. Dark Brown or Black Colour

THICKNESS RANGE

: 0.4 MM - 150.0 MM.

DESCRIPTION

LPF - 10 Grade material is manufactured from fine weave scoured Cotton fabric. This has got good electrical and 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 2440 x 1220 / 1220 x 1220 mm / 1220 mm x 610 /

610 mm x 610 mm.

COLERANCES

: Sheets are supplied as per tolerance specified in IS:2036. Material can be

supplied with still closer tolerance as per customers requirement.

PROPRIETIES	UNIT	Condition	Nominal thickness to Which test applies	Values as per IS-2036 – 1995	Average Test Results
MECHANICAL PROPERTIES Tensile Strength Flexural Strength/ Cross Breaking strength Shear strength	MPa (min) MPa (min) MPa (min)	A A	≥ 1.6 ≥ 1.6 ≥ 1.6	70.0 135.0 65.0	72.0 140.0 70.0
Impact Strength (Edgewise) (Charpy Method) Specific Gravity	KJ/m² 	A A	≥ 5.0 All	6	6.5 1.35
Insulation resistance after nmersion in water for 24hrs At 23±2°C Electric strength	MΩ (min)	E24/50 +D24/23	All	l	50
Flat wise 1.6mm thick Edgewise	MV/m (min) KV (min)	90°C in Oil	≤ 3.0 > 3.0	1.21	1.8
WATER ABSORPTION Immersion in water for 24 hrs at 23±2°C Specimen size 50 +/- 1mm Sq.	mgs (max)	A E24/50 +D24/23	All	0.8 mm thk-201 6.0 mm thk-277 16.0 mm thk-354 25.0 mm thk-420	180 235 305 380

SPECIFICATIONS MET:

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