

UTILEX ENGINEERING PVT. LTD.

Technical Data (Fabric Base Industrial Laminates - Grade F2)

GRADE	LPF - 2 (F2)
COLOUR	Sheets are supplied in natural color, but can be also supplied as per requirement i.e. Dark Brown or Black Color.
THICKNESS	0.4 MM - 150.0 MM.
DESCRIPTION	LPF - 2 Grade material is manufactured from medium weaved, cotton Fabric. The material of this grade has a superior machining and punching properties and better resistance of chemicals. Recommended for small parts.
SIZE	Standard sizes are 2440mm x 1220mm or 1220mm x 1220mm or 1220mm x 610mm or 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	Value As Per IS:2036 -1995
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Mechanical

Tensile Strength	Kgf/cm ²	700	--
Flexural Strength/Cross			
Breaking Strength	Kgf/cm ²	1275	1100 Min.
Shear Strength	Kgf/cm ²	745	650 Min
Impact Strength (Edgewise) (Charpy method)	KJ/m ²	9	7Min
Specific Gravity		1.35	--

Electrical

Electrical strength in oil at 90° C			
* Flat wise 1.6 mm Thickness	Kv/mm	1.5	0.72 Min.
* Edgewise 3.2mm thickness	Kv	2	1.0 Min.
Insulation Resistance after immersion in water for 24hrs. at 20° C	Meg Ohms	15	0.5 Min.

Water Absorption: (Specimen size -50 ± 1 mm square)

* Thickness	mm	0.8	3.0	12.0	25.0
* Maximum values	mg	201	245	324	420
* Average Test Results	mg	68	89	112	154

**SPECIFICATIONS MET: BS:2572:GRADE F2/EN - 60893-3-4-PF CC203
DIN7735-GRADE HGW 2083**
