

**TECHNICAL DATA (Fabric Base Industrial Laminates - Grade F2)**

<b>GRADE</b>	:	LPF - 2 (F2)
<b>COLOUR</b>	:	Sheets are supplied in natural colour, but can be also supplied as per requirement i.e. Dark Brown or Black Colour
<b>THICKNESS</b>	:	0.4 MM - 150.0 MM.
<b>DESCRIPTION</b>	:	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.
<b>SIZE</b>	:	Standard sizes are 2440 x 1220 / 1220 x 1220 mm/1220mm x 610/610mm x 610mm .
<b>TOLERANCES</b>	:	Sheets are supplied as per tolerance specified in IS:2036. Material can be supplied with still closer tolerance as per customers requirement.

<b>PROPERTIES</b>	<b>UNITS</b>	<b>AVERAGE TEST RESULTS</b>	<b>VALUES AS PER IS:2036 -1995.</b>
<b><u>MECHANICAL:</u></b>			
Tensile Strength	Kgf/cm <sup>2</sup>	700	--
Flexural strength/ Cross			
Breaking Strength	Kgf/cm <sup>2</sup>	1275	1100 Min.
Shear Strength	Kgf/cm <sup>2</sup>	745	650 Min.
Impact Strength (Edgewise) (Charpy Method)	KJ/m <sup>2</sup>	9	7 Min.
Specific Gravity		1.35	-----
<b><u>ELECTRICAL:</u></b>			
Electrical Strength in oil at 90° C			
* Flat wise 1.6mm Thickness	Kv/mm	1.5	0.72 Min.
* Edgewise 3.2 mm Thickness	Kv	2	1.0 Min.
Insulation Resistance after immersion in water. for 24 hrs. at 20 <sup>0</sup> C	Meg Ohms	15	0.5 Min.
<b><u>WATER ABSORPTION</u></b> (Specimen size 50 ± 1mm 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-PFCC203**  
**DIN7735-GRADE HGW 2083.**