



POLYCHEM INTERNATIONAL

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TECHNICAL DATA (PAPER BASED INDUSTRIAL LAMINATES GRADE P4)

GRADE	:	LPP04 (P4)
COLOUR	:	Sheets are supplied in Natural Brown Colour
THICKNESS	:	0.5 MM – 12.7MM
DESCRIPTION:	These are Paper Based Laminates confirming to specification, as per IS:2036, GRADE P4, having excellent electrical properties even under humid conditions. This material has got very low water absorption and is suitable for high frequency applications.	
SIZE	:	These sheets are supplied in standard size of 2440mm x 1220mm, 1220 x 1220 mm or 1220 x 610 or 610 x 610mm.

PROPERTIES	UNITS	AVERAGE TEST RESULTS	VALUES AS PER IS:2036 - 1995.
<u>MECHANICAL</u>			
Compressive strength	%	0.8	2.5
Flexural Strength/ Cross Breaking Strength	MPa	95	70
Shear Strength	MPa	72	60
Specific Gravity		1.35	----
<u>ELECTRICAL:</u>			
Insulation Resistance after immersion in water for 24 hours at 20°C	Meg Ohms	50000	30000
Electric Strength in oil at 90°C			
Flat wise(1.0mm Thick)	Kv/mm	withstood 15 KV for 1 Min.	12.7
Edgewise (3.0mm thick)	Kv	withstood 40 KV for 1 Min.	30
<u>WATER ABSORPTION</u>			
		(Specimen size - 50 ± 1 mm square)	
* Thickness	mm	1.0 3.0 6.0 12	
* Maximum Values	mg	40 50 60 66	
* Typical value results	mg	32 39 43 54	
<u>SPECIFICATIONS MET:</u>			
IS2036-P4 BS:2572:GRADE P4 BSEN 60893-3-4-PF CP206			
DIN 7735 GRADE HP 2062.8			
NEMA:L1 I 1989 GRADE XXXP.			

Authorised Stockists for

• Lamtuf Plastics Limited • Senapathy Whiteley Limited • CG-PPI Adhesive Products Ltd. • Kromatiks & Insulants Pvt. Ltd.