



DATA SHEET

SHPB – P1BK

SHEETS – PAPER BASED INDUSTRIAL LAMINATES GRADE P1

Sheets are supplied in a black colour.

Thickness: 0.5mm – 50.0 mm

Description: These are Paper Based Laminates confirming to specification, as per IS:2036, GRADE P1, and have excellent Mechanical Properties and can withstand low tension Electrical applications under non humid atmosphere.

SIZE: Normally stocked 2440mm X 1220mm except .04 & .08mm are 1220 X 1220mm.

TOLERANCES: Sheets are supplied as per tolerance specified in IS:2036. Material can be supplied with still closer tolerance as per customer requirement.



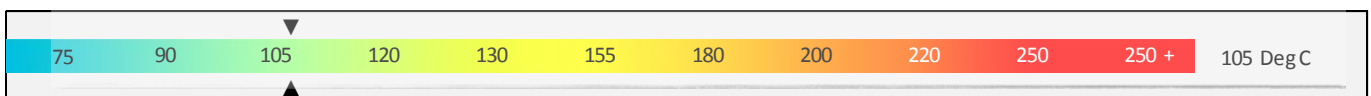
SHEETS

PROPERTIES	UNITS	AVERAGE TEST RESULTS	VALUE AS PER IS:2036 -1995
MECHANICAL			
Tensile Strength	Kg/cm ²	1050	-
Flexural Strength / Cross Breaking strength	Kg/cm ²	1450	1300 Min
Shear Strength	Kg/cm ²	900	750 Min
Impact Strength (Edgewise) (Charpy method)	Kj/m ²	6.2	-
Specific Gravity		1.38	-
ELECTRICAL			
Insulation Resistance after immersion in water for 24hrs. at 20°C	Meg Ohms	25	1
Electical Strength in Oil at 90°C			
• Flat wise (3.0 mm Thickness)	Kv/mm	3	-
• Edgewise (5.0mm Thickness)	Kv	5	-

Water Absorption:

(Specimen size -50 ± 1 mm square)

• Thickness	mm	0.8	3.2	12.0	25.0
• Maximum Values	mg	435	550	747	862
• Typical Value Results	mg	245	270	330	380



Temperature Index