

GENERAL DESCRIPTION

Paper Bakelite P2 is a phenolic paper rigid laminate for use as a general purpose grade material, suited for both mechanical and electrical applications.

FEATURES & BENEFITS

- Excellent mechanical strength
- Good electric properties under normal humidity
- High impact strength
- Good machinability

APPLICATIONS

- Mechanical and electrical applications
- Instrument housing
- Terminal boards
- Spools
- Switchboard panels



GENERAL INFORMATION

Material	Electrical Grade Paper Bonded with Phenolic Resin
Colour	Brown
Specification	IS 2036, 1995

TECHNICAL DATA

	UNITS	VALUE
Density	g/cm ³	1.3 to 1.4
Flexural Strength	MPa	130
Insulation Resistance after impregnation in water	MΩ	10
Dielectric strength at 90±2°C in transformer oil perpendicular to laminations	kV/mm	12.7
Breakdown voltage at 90±2°C in transformer oil parallel to laminations	kV	22
Water Absorption (thickness 3.0mm)	mg	265

DIMENSIONS

Sheet	Length x Width	mm	1220 x 2440 1260 x 1420
	Thickness	mm	Available: 0.8 to 50.0 Stocked: 3.0 and 6.0
Tolerances	According to IS 2036, 1995		

SIZING & AVAILABILITY

The above table shows the most commonly requested products in this range. Should you require something outside of these parameters, please contact your local sales representative or our customer service team.

MACHINING & FABRICATION

Insulect's manufacturing capabilities form a key part of the trusted service we offer our customers. Our two modern, well equipped facilities – in Brisbane and Melbourne – work with a wide range of electrical, thermal and mechanical materials – including plastics, composites and cellulose-based products. We offer short run, specialty or volume based machining and fabrication for almost any application and can produce cut-to-order sheets or finished components. Coupled with our highly-trained and experienced team, we are able to deliver on the most complex of customer requirements.