



Paper Bakelite P2

RIGID INSULATION FOR MECHANICAL OR ELECTRICAL APPLICATIONS

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

- 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



Technical Information

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

Sizing and Machining

Standard Sheet Size:	1,220mm x 2,440mm 1,260mm x 1,420mm
Nominal Thickness:	0.8mm to 50.0mm (available) 3.0mm to 6.0mm (stocked)
Tolerances:	According to IEC or NEMA standards

Technical Data	Units	Value
Density	g/cm ³	1.3 to 1.4
Flexural Strength	MPa	130
Insulation Resistance after impregnation in water (D-24/23)	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

We provide a full machining and fabrication service, delivering everything from cut-to-order sheets to complex fully-finished components. Available for short-run or volume-based orders.



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