

Paper Bakelite P1

STIFF INSULATION FOR MECHANICAL AND ELECTRICAL APPLICATION

The PF CP 201 (P1) is produced with Phenolic /Thermosetting Resin for Electrical Purposes. The sheets consist of superimposed layers of cellulosic paper, which are impregnated with Thermosetting Phenolic Resin and bonded together under heat and pressure.

It is certified that our sheets PF CP 201 (P1) meet the specification as per BS EN 60893-3-4:2004, It is a durable, rigid, and non-hygroscopic insulating material. Specifically designed for mechanical application.



FEATURES

- Exceptional mechanical strength
- High impact strength
- Worthy machinability
- Low loss factor
- High dielectric strength in transformer oil

APPLICATIONS

- Mechanical and electrical applications
- Medium voltage applications
- Tap switches
- Suited to the dry environment – discretion should be used in high humidity or moisture environments

TECHNICAL INFORMATION

- **Material:** Electrical Grade Paper Bonded with Phenolic Resin.
- **Color:** Gray

SIZING AND MACHINING

- **Standard Sheet Size:** 1220mm x 1220mm / 1220mm x 2440mm
- **Nominal Thickness:** 0.8mm to 60mm
- **Tolerances:** According to IEC standards

PROPERTY	REF:	UNIT	MIN/ MAX	4MM	8MM	20MM
Flexure Strength	EN 60893-3-2004	MPa	Minimum	135	135	135
Electric Strength	-	KV	Minimum	08	13	23
Insulation Resistance*	BS 2572	M Ω	Minimum	01	01	01
Impact Strength (Izod)	BS 2572	ft-lb f per 12.7 mm	Minimum	0.35	0.35	0.35
Water Absorption	EN 60893-3-2004	MG	Maximum	600	810	1440
Density	ISO 1183	G/CM3	-	1.3 - 1.4	1.3 - 1.4	1.3 - 1.4