

PERFECTION. PRECISION.

ELECTRICAL GRADE P1

The paper based P1 (PFCP 201) has mechanical applications and mechanical properties far better than other PFCP types. It is a preferred choice for its electrical properties at normal humidity and has various utilities including usage as insulation in pressure blocks for transformers, insulation in electric motors, switch gears and panels insulation barrier.

GRADE: P1

THICKNESS: 10 mm

S#	TEST TITLE	LIMIT	RESULT
01	Insulation Resistance before immersion in water		> 2000 M Ω
02	Insulation Resistance after immersion in water (24 hrs)	Min. 01 M Ω	35 M Ω to > 2000 M Ω
03	Impact strength per 12.7 mm	0.35 ft-lbf	0.65-0.85 ft-lbf
04	Dry heat test (07 hrs at 1050°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
05	Oil resistance test (24 hrs at 1050°C)	No splitting, blistering or delamination	No splitting, blistering or delamination
06	Water absorption test (24 hrs)	Max. 920 mg	140-170 mg (approx)
07	High voltage test (withstand for 01 minute)	15 KV	Withstand 15 KV for 01 minute

