

Composition

PFC301 (Phenolic Cotton Sheet) is made by impregnated cotton cloth with phenolic resin laminate.

Reinforcement: Phenolic resin, Impregnated cotton cloth.

Application

Gears, Pulleys, Rollers, Guides, Electrically insulated parts, such as control boards, Switch bases, Terminal boards.

Availability

Thickness: 3 mm ~ 100 mm

Dimension: 1020 x 2020 mm

Color: Brown.

Specification Data Sheet

Properties/Items	Method	Unit	PFC202
Density	ISO 1183 / A	g/cm ³	1.4
Water absorption	ISO 62	mg	205
Flexural strength	ISO 178	MPA	130
Flexural modulus of elasticity	ISO 178	MPA	7000
Tensile strength	ISO 527	MPA	80
Compressive strength perpendicular	ISO 604	MPA	290
Impact strength (Charpy) parallel	ISO 179/3C	MPA	8.8
Electric strength perpendicular	IEC 60243-1 (90°C in oil)	KV/mm	0.5
Breakdown voltage parallel	IEC 60243-1 (90°C in oil)	KV	5
Insulation resistance after immersion	IEC 60167 (in water)	MOhm	220
Comparative tracking index CTI	IEC 60112	CTI	120
Thermal endurance	IEC 60216	°C	125

The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values of a large number of tests. The results obtained on these tests specimens cannot be applied to finished parts without reservations, as behaviour is influenced by processing and shaping.