

## Composition

PFP201 (Bakelite Paper Sheet) is called Bakelite as well, it's made by impregnated insulation paper with phenolic resin laminate.

**Reinforcement:** Phenolic resin, Impregnated insulation paper.

## Application

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

## Availability

Thickness: 3 mm ~ 50 mm

Dimension: 1220 x 2480 mm.

**Color:** Orange, Black.

## Specification Data Sheet

Properties/Items	Method	Unit	PFP201
Density	ISO 1183 / A	g/cm <sup>3</sup>	1.4~1.5
Water absorption	ISO 62	mg	205
Flexural strength	ISO 178	MPA	140
Flexural modulus of elasticity	ISO 178	MPA	9000
Tensile strength	ISO 527	MPA	120
Compressive strength perpendicular	ISO 604	MPA	300
Impact strength (Charpy) parallel	ISO 179/3C	MPA	13
Electric strength perpendicular	IEC 60243-1 (90°C in oil)	KV/mm	5
Breakdown voltage parallel	IEC 60243-1 (90°C in oil)	KV	15
Insulation resistance after immersion	IEC 60167 (in water)	MOhm	220
Comparative tracking index CTI	IEC 60112	CTI	120
Thermal endurance	IEC 60216	°C	130

All information given here is based on test specimens 50 x 50 x 10 mm and on the results of experiments performed with all due care in the laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

RoHS Declaration: This material does not contain any substances of very high concern as listed in the EU directive 2011/65/EU, article 4, paragraph 1.