

## Hippe PF CP 23 Cellulose Paper Reinforced Phenolic Resin - Round, Rolled Tube

Category : Polymer , Thermoset , Phenolic , Phenolic, Novolac, Cellulose Filled

**Material Notes:**

Used in mechanical and low-voltage electrical applications. Good electrical properties when exposed to normal and high relative humidity. Information provided by Hippe.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hippe-PF-CP-23-Cellulose-Paper-Reinforced-Phenolic-Resin-Round-Rolled-Tube.php](http://www.lookpolymers.com/polymer_Hippe-PF-CP-23-Cellulose-Paper-Reinforced-Phenolic-Resin-Round-Rolled-Tube.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 - 1.20 g/cc	1.10 - 1.20 g/cc	IEC 1212-2 7.2

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 100 MPa @Diameter >=100 mm	>= 14500 psi @Diameter >=3.94 in	Perpendicular to laminations; IEC 1212-2 4.1
Compressive Strength	>= 100 MPa	>= 14500 psi	Axial; IEC 1212-2 4.2

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 5.00e+6 ohm @Diameter 8.00 - 10.0 mm	>= 5.00e+6 ohm @Diameter 0.315 - 0.394 in	After immersion in water; IEC 1212-2 5.2
Dielectric Breakdown	>= 25000 V @Temperature 90.0 °C, Time 20.0 sec	>= 25000 V @Temperature 194 °F, Time 0.00556 hour	Step-by-step test, In oil, parallel to laminations; IEC 1212-2 5.1
	>= 25000 V @Temperature 90.0 °C, Time 60.0 sec	>= 25000 V @Temperature 194 °F, Time 0.0167 hour	Proof test, In oil, parallel to laminations; IEC 1212-2 5.1

Descriptive Properties	Value	Comments
Cohesion between layers	> 70 MPa	IEC 1212-2 4.3, Internal diameter <100 mm
Thermal Endurance	120 T.I.	IEC 1212-2 7.1
Water Absorption	< 5 mg/cm <sup>2</sup>	IEC 1212-2 7.1

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China