

Hippe PF CP 22 Cellulose Paper Reinforced Phenolic Resin - Round, Rolled Tube

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

Material Notes:

High-voltage, electrical applications at power frequencies. High electric strength in oil. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-PF-CP-22-Cellulose-Paper-Reinforced-Phenolic-Resin-Round-Rolled-Tube.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 - 1.15 g/cc	1.05 - 1.15 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	>= 80.0 MPa	>= 11600 psi	Axial; IEC 1212-2 4.2

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+6 ohm @Diameter 8.00 - 10.0 mm	>= 1.00e+6 ohm @Diameter 0.315 - 0.394 in	After immersion in water; IEC 1212-2 5.2
Dielectric Breakdown	>= 50000 V @Temperature 90.0 °C, Time 20.0 sec	>= 50000 V @Temperature 194 °F, Time 0.00556 hour	Step -by-step test, In oil, parallel to laminations; IEC 1212-2 5.1
	>= 50000 V @Temperature 90.0 °C, Time 60.0 sec	>= 50000 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	< 10 mg/cm ²	IEC 1212-2 7.1

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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