

Hippe PF CP 32 Cellulose Paper Reinforced Phenolic Resin - Round, Molded Tube and Rod

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

Material Notes:

Used in electrical and mechanical applications. Good stability of electrical properties when exposed to normal relative humidity. Improved mechanical and electrical properties when compared to PF CP 31. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-PF-CP-32-Cellulose-Paper-Reinforced-Phenolic-Resin-Round-Molded-Tube-and-Rod.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 - 1.40 g/cc	1.20 - 1.40 g/cc	IEC 1212-2 7.2

Mechanical Properties	Metric	English	Comments
Compressive Strength	>= 100 MPa	>= 14500 psi	Axial; IEC 1212-2 4.2

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 7.50e+7 ohm @Diameter 8.00 - 10.0 mm	>= 7.50e+7 ohm @Diameter 0.315 - 0.394 in	After immersion in water; IEC 1212-2 5.2
Dielectric Breakdown	>= 30000 V @Temperature 90.0 °C, Time 20.0 sec	>= 30000 V @Temperature 194 °F, Time 0.00556 hour	Step -by-step test, In oil, parallel to laminations; IEC 1212-2 5.1
	>= 30000 V @Temperature 90.0 °C, Time 60.0 sec	>= 30000 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	< 3 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