

Hippe PF CP 42 Cellulose Paper Reinforced Phenolic Resin - Round, Molded Tube and Rod

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

Material Notes:

Used in mechanical and electrical applications. Good stability of electrical properties when exposed to high relative humidity. Lower mechanical and electrical properties than PF CP 41. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-PF-CP-42-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
Flexural Strength	>= 110 MPa	>= 16000 psi	Perpendicular to laminations; IEC 1212-2 4.1
	@Diameter >=100 mm	@Diameter >=3.94 in	
Compressive Strength	>= 80.0 MPa	>= 11600 psi	Axial; IEC 1212-2 4.2

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 3.00e+7 ohm	>= 3.00e+7 ohm	After immersion in water; IEC 1212-2 5.2
	@Diameter 8.00 - 10.0 mm	@Diameter 0.315 - 0.394 in	
Dielectric Breakdown	>= 10000 V	>= 10000 V	Step -by-step test, In oil, parallel to laminations; IEC 1212-2 5.1
	@Temperature 90.0 °C, Time 20.0 sec	@Temperature 194 °F, Time 0.00556 hour	
	>= 10000 V	>= 10000 V	Proof test, In oil, parallel to laminations; IEC 1212-2 5.1
	@Temperature 90.0 °C, Time 60.0 sec	@Temperature 194 °F, Time 0.0167 hour	

Descriptive Properties	Value	Comments
Thermal Endurance	120 T.I.	IEC 1212-2 7.1
Water Absorption	< 5 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