

Hippe PF CP 21 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 relative humidity. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-PF-CP-21-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	>= 80.0 MPa @Diameter >=100 mm	>= 11600 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

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

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