

Hippe PF CC 23 Woven Cotton Cloth Reinforced Phenolic Resin - Round, Rolled Tube

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

Material Notes:

Used in mechanical and electrical applications. Very coarse weave (

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-PF-CC-23-Woven-Cotton-Cloth-Reinforced-Phenolic-Resin-Round-Rolled-Tube.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|----------------|
| Specific Gravity | 1.15 - 1.35 g/cc | 1.15 - 1.35 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 | >= 100 MPa | >= 14500 psi | Axial; IEC 1212-2 4.2 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---|--|---|
| Insulation Resistance | >= 500000 ohm @Diameter 8.00 - 10.0 mm | >= 500000 ohm @Diameter 0.315 - 0.394 in | After immersion in water; IEC 1212-2 5.2 |
| Dielectric Breakdown | >= 8000 V @Temperature 90.0 °C, Time 20.0 sec | >= 8000 V @Temperature 194 °F, Time 0.00556 hour | Step -by-step test, In oil, parallel to laminations; IEC 1212-2 5.1 |
| | >= 8000 V @Temperature 90.0 °C, Time 60.0 sec | >= 8000 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 | > 90 MPa | IEC 1212-2 4.3, Internal diameter <100 mm |
| Thermal Endurance | 120 T.I. | IEC 1212-2 7.1 |
| Water Absorption | < 13 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