

Hippe SI MP 21 Mica Paper Reinforced Silicone Resin - Round, Rolled Tube

Category : Polymer , Thermoset , Silicone

Material Notes:

Used in mechanical, electrical and electronic applications. Good stability of electrical properties at elevated temperatures. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-SI-MP-21-Mica-Paper-Reinforced-Silicone-Resin-Round-Rolled-Tube.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 - 1.90 g/cc	1.60 - 1.90 g/cc	IEC 1212-2 7.2

Mechanical Properties	Metric	English	Comments
Compressive Strength	>= 50.0 MPa	>= 7250 psi	Axial; IEC 1212-2 5.3

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+7 ohm @Diameter 8.00 - 10.0 mm	>= 1.00e+7 ohm @Diameter 0.315 - 0.394 in	After immersion in water; IEC 1212-2 5.2
Dielectric Constant	<= 5.3	<= 5.3	IEC 1212-2 5.3
Dielectric Breakdown	>= 20000 V @Temperature 90.0 °C, Time 20.0 sec	>= 20000 V @Temperature 194 °F, Time 0.00556 hour	Step-by-step test, In oil, parallel to laminations; IEC 1212-2 5.1
	>= 20000 V @Temperature 90.0 °C, Time 60.0 sec	>= 20000 V @Temperature 194 °F, Time 0.0167 hour	Proof test, In oil, parallel to laminations; IEC 1212-2 5.1
Dissipation Factor	<= 0.020 @Frequency 1.00e+6 Hz	<= 0.020 @Frequency 1.00e+6 Hz	IEC 1212-2 5.3

Descriptive Properties	Value	Comments
Cohesion between layers	> 25 MPa	IEC 1212-2 4.3, Internal diameter <100 mm
Thermal Endurance	180 T.I.	IEC 1212-2 7.1
Water Absorption	< 3.5 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