

Hippe MF GC 201 Woven Glass Cloth Reinforced Melamine Resin - Sheet

Category : Polymer , Thermoset , Melamine , Melamine Formaldehyde , Molded , Glass Fiber Filler

Material Notes:

Used in mechanical and electrical applications. High mechanical strength. Arc and tracking resistant. Flame retardant. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-MF-GC-201-Woven-Glass-Cloth-Reinforced-Melamine-Resin-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 - 2.00 g/cc	1.70 - 2.00 g/cc	IEC 1212-2 8.1

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 150 MPa	>= 21800 psi	IEC 1212-2 5.7
Flexural Strength	>= 240 MPa	>= 34800 psi	Perpendicular to laminations; IEC 1212-2 5.1
Flexural Modulus	>= 14.0 GPa	>= 2030 ksi	IEC 1212-2 5.2
Compressive Strength	>= 275 MPa	>= 39900 psi	Perpendicular to laminations; IEC 1212-2 5.3
Shear Strength	>= 60.0 MPa	>= 8700 psi	Parallel to laminations; IEC 1212-2 5.6
Izod Impact, Unnotched (ISO)	>= 31.0 kJ/m ²	>= 14.8 ft-lb/in ²	Parallel to laminations; IEC 1212-2 5.5.3
Charpy Impact Unnotched	>= 3.00 J/cm ²	>= 14.3 ft-lb/in ²	Parallel to laminations; IEC 1212-2 5.5.2

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	IEC 1212-2 7.2

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+8 ohm	>= 1.00e+8 ohm	After immersion in water; IEC 1212-2 6.3
Dielectric Constant	<= 7.5	<= 7.5	IEC 1212-2 6.2
	@Frequency 48.0 - 62.0 Hz	@Frequency 48.0 - 62.0 Hz	
	<= 7.5	<= 7.5	IEC 1212-2 6.2
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	>= 15000 V	>= 15000 V	

Dielectric Breakdown Electrical Properties	Metric @ Temperature 90.0 °C	English @ Temperature 194 °F	Comments In oil, parallel to laminations; IEC 1212-2 6.2
Dissipation Factor	<= 0.020 @Frequency 48.0 - 62.0 Hz	<= 0.020 @Frequency 48.0 - 62.0 Hz	IEC 1212-2 6.2
	<= 0.020 @Frequency 1.00e+6 Hz	<= 0.020 @Frequency 1.00e+6 Hz	IEC 1212-2 6.2
Comparative Tracking Index	>= 500 V	>= 500 V	IEC 1212-2 6.4

Descriptive Properties	Value	Comments
Proof Tracking Index	500	IEC 1212-2 6.4
Thermal Endurance	130 T.I.	IEC 1212-2 7.1
Water Absorption	< 414 mg	IEC 1212-2 8.2; Test piece 50 x 50 x 10 mm

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