

Hippe EP CP 201 Cellulose Paper Reinforced Epoxy Resin - Sheet

Category : Polymer , Thermoset , Epoxy

Material Notes:

Used in electronic applications. Good stability of electrical properties under high humidity. Flame retardant. Information provided by Hippe.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hippe-EP-CP-201-Cellulose-Paper-Reinforced-Epoxy-Resin-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 - 1.40 g/cc	1.30 - 1.40 g/cc	IEC 1212-2 8.1

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 80.0 MPa	>= 11600 psi	IEC 1212-2 5.7
Flexural Strength	>= 110 MPa	>= 16000 psi	Perpendicular to laminations; IEC 1212-2 5.1
Flexural Modulus	>= 6.00 GPa	>= 870 ksi	IEC 1212-2 5.2
Compressive Strength	>= 160 MPa	>= 23200 psi	Perpendicular to laminations; IEC 1212-2 5.3

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+10 ohm	>= 1.00e+10 ohm	After immersion in water; IEC 1212-2 6.3
Dielectric Constant	<= 5.0	<= 5.0	IEC 1212-2 6.2
	@Frequency 48.0 - 62.0 Hz	@Frequency 48.0 - 62.0 Hz	
Dielectric Breakdown	<= 5.0	<= 5.0	IEC 1212-2 6.2
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Breakdown	>= 20000 V	>= 20000 V	In oil, parallel to laminations; IEC 1212-2 6.2
	@Temperature 90.0 °C	@Temperature 194 °F	
Dissipation Factor	<= 0.050	<= 0.050	IEC 1212-2 6.2
	@Frequency 48.0 - 62.0 Hz	@Frequency 48.0 - 62.0 Hz	
	<= 0.050	<= 0.050	IEC 1212-2 6.2

Electrical Properties	@Frequency 1.00e+6 Metric	@Frequency 1.00e+6 English	Comments
Comparative Tracking Index	>= 100 V	>= 100 V	IEC 1212-2 6.4

Descriptive Properties	Value	Comments
Thermal Endurance	110 T.I.	IEC 1212-2 7.1

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