

Resinoid 2215 Phenolic Molding, Cellulose Reinforced

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Cellulose Filled

Material Notes:

Data provided by the manufacturer. The Resinoid 2000 organic fiber reinforced series compounds feature mechanical strength, dimensional stability, and shock resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resinoid-2215-Phenolic-Molding-Cellulose-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792A
Water Absorption	0.50 %	0.50 %	24 hours R.T. ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	48.0 MPa	6960 psi	ASTM D651
Flexural Strength	79.0 MPa	11500 psi	ASTM D790
Flexural Modulus	9.70 GPa	1410 ksi	ASTM D790
Compressive Strength	179 MPa	26000 psi	ASTM D695
Izod Impact, Notched	0.368 J/cm	0.689 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	199 °C	390 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 6.30 mm	V-0 @Thickness 0.248 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	8.70 kV/mm	221 kV/in	Short Time; Dry; ASTM D149
Arc Resistance	100 sec	100 sec	ASTM D495

Processing Properties	Metric	English	Comments
Mold Temperature	155 - 180 °C	311 - 356 °F	

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