

Resinoid 2018 Phenolic Molding, Fabric Reinforced

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Fabric 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-2018-Phenolic-Molding-Fabric-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792A
Water Absorption	0.77 %	0.77 %	24 hours R.T. ASTM D570
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	Positive Mold; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	44.0 MPa	6380 psi	ASTM D651
Flexural Strength	128 MPa	18600 psi	ASTM D790
Compressive Strength	152 MPa	22000 psi	ASTM D695
Izod Impact, Notched	0.945 J/cm	1.77 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Dielectric Strength	10.4 kV/mm	264 kV/in	Short Time; Dry; ASTM D149

Processing Properties	Metric	English	Comments
Mold Temperature	150 - 175 °C	302 - 347 °F	

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