

Resinoid 2205 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-2205-Phenolic-Molding-Cellulose-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D792A
Water Absorption	0.28 %	0.28 %	24 hours R.T. ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Positive Mold; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D651
Flexural Strength	86.0 MPa	12500 psi	ASTM D790
Flexural Modulus	4.80 GPa	696 ksi	ASTM D790
Compressive Strength	207 MPa	30000 psi	ASTM D695
Izod Impact, Notched	0.315 J/cm	0.590 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	238 °C	460 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.6 kV/mm	371 kV/in	Short Time; Dry; ASTM D149
Arc Resistance	120 sec	120 sec	ASTM D495

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

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