

## Resinoid 1323 Phenolic Molding, Glass Reinforced

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

**Material Notes:**

Data provided by the manufacturer. The Resinoid 1300 and 7000 glass fiber reinforced series compounds feature mechanical strength, dimensional stability, electrical insulation, and heat resistance

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resinoid-1323-Phenolic-Molding-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Resinoid-1323-Phenolic-Molding-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	2.00 g/cc	0.0723 lb/in <sup>3</sup>	ASTM D792A
Water Absorption	<= 0.10 %	<= 0.10 %	24 hours R.T. ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	Positive Mold; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.0 MPa	8990 psi	ASTM D651
Flexural Strength	89.0 MPa	12900 psi	ASTM D790
Flexural Modulus	19.0 GPa	2760 ksi	ASTM D790
Compressive Strength	198 MPa	28700 psi	ASTM D695
Izod Impact, Notched	0.683 J/cm	1.28 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 315 °C	>= 599 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.6 kV/mm	295 kV/in	Short Time; Dry; ASTM D149
Arc Resistance	190 sec	190 sec	ASTM D495

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

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