

## Resinoid 1312 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-1312-Phenolic-Molding-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Resinoid-1312-Phenolic-Molding-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in <sup>3</sup>	ASTM D792A
Water Absorption	0.10 %	0.10 %	24 hours R.T. ASTM D570
Linear Mold Shrinkage	0.0035 cm/cm	0.0035 in/in	Positive Mold; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	48.0 MPa	6960 psi	ASTM D651
Flexural Strength	84.0 MPa	12200 psi	ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	ASTM D790
Compressive Strength	170 MPa	24700 psi	ASTM D695
Izod Impact, Notched	0.446 J/cm	0.836 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
UL RTI, Electrical	150 °C	302 °F	
UL RTI, Mechanical with Impact	150 °C	302 °F	
UL RTI, Mechanical without Impact	150 °C	302 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 - 399 V	250 - 399 V	UL PLC 2 (250-399 V)
	@Thickness 3.05 mm	@Thickness 0.120 in	
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	UL PLC 0; UL PLC 0
	@Thickness 3.05 mm	@Thickness 0.120 in	

Electrical Properties	<b>&gt;= 120 arcs</b> Metric	<b>&gt;= 120 arcs</b> English	Comments
High Voltage Arc Tracking Rate, HVTR	@Thickness 3.05 mm	@Thickness 0.120 in	UL PLC 0, UL PLC 0
High Voltage Arc-Tracking Rate, HVTR	0.000 - 10.0 mm/min @Thickness 3.05 mm	0.000 - 0.394 in/min @Thickness 0.120 in	UL PLC 0 (0-10 mm/min)

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

## Contact Songhan Plastic Technology Co.,Ltd.

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