

## Resinoid 1340 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-1340-Phenolic-Molding-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Resinoid-1340-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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.0 MPa	8990 psi	ASTM D651
Flexural Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	19.0 GPa	2760 ksi	ASTM D790
Compressive Strength	193 MPa	28000 psi	ASTM D695
Izod Impact, Notched	0.683 J/cm	1.28 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	UL RTI
Deflection Temperature at 1.8 MPa (264 psi)	>= 315 °C	>= 599 °F	ASTM D648
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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.4 kV/mm	340 kV/in	Short Time; Dry; ASTM D149
Arc Resistance	193 sec	193 sec	ASTM D495
Comparative Tracking Index	175 - 250 V	175 - 250 V	UL PLC 3 (175-250 V)
	@Thickness 3.05 mm	@Thickness 0.120 in	
	60 - 120 sec	60 - 120 sec	

Hot Wire Ignition, HWI Electrical Properties	Metric @ Thickness 3.05 mm	English @ Thickness 0.120 in	UL PLC 1 Comments
High Amp Arc Ignition, HAI	15 - 29 arcs @Thickness 3.05 mm	15 - 29 arcs @Thickness 0.120 in	UL PLC 3, 15-29 arcs
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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China