

Resinoid 1310

Phenolic
Resinoid Engineering Corporation

Message:

Resinoid 1310 is a Phenolic product filled with glass fiber and mineral. It can be processed by compression molding, injection molding, or resin transfer molding and is available in North America. Applications of Resinoid 1310 include automotive and electrical/electronic applications. Characteristics include:
Flame Rated
Heat Resistant
Impact Resistant

General Information	
UL YellowCard	E61847-247048
Filler / Reinforcement	Glass Fiber
	Mineral
Features	Good Impact Resistance
	Good Thermal Stability
Uses	Automotive Exterior Parts
	Electrical Parts
Appearance	Black
Forms	Pellets
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.81	g/cm ³	ASTM D792
Bulk Factor	2.0		ASTM D1895
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Flexural Modulus	17200	MPa	ASTM D790
Flexural Strength (Yield)	110	MPa	ASTM D790
Compressive Strength	207	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	316	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	9.4	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	149 to 177	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

