

Resinoid 1312

Phenolic
Resinoid Engineering Corporation

Message:

Resinoid 1312 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 1312 include automotive and electrical/electronic applications.

Characteristics include:

- Flame Rated
- Creep Resistant
- Heat Resistant

General Information	
UL YellowCard	E61847-247049
Filler / Reinforcement	Glass Fiber
	Mineral
Features	Good Creep 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	1.89	g/cm ³	ASTM D792
Bulk Factor	2.0		ASTM D1895
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.3	MPa	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength (Yield)	84.1	MPa	ASTM D790
Compressive Strength	170	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94

Injection	Nominal Value	Unit
Processing (Melt) Temp	149 to 177	°C

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Recommended distributors for this material

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