

Resinoid 2002-4

Phenolic

Resinoid Engineering Corporation

Message:

Resinoid 2002-4 is a Phenolic product filled with filler. It can be processed by compression molding, injection molding, or resin transfer molding and is available in North America. Applications of Resinoid 2002-4 include automotive and electrical/electronic applications.

Characteristics include:

Good Dimensional Stability

Impact Resistant

General Information	
Filler / Reinforcement	Filler
Features	Good Dimensional Stability
	Good Impact Resistance
Uses	Automotive Applications
	Electrical Parts
Appearance	Black
Forms	Pellets
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Bulk Factor	10		ASTM D1895
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength (Yield)	96.5	MPa	ASTM D790
Compressive Strength	150	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	177	°C	ASTM D648
CLTE - Flow	1.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149

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