

# Resinoid 2010

Phenolic

Resinoid Engineering Corporation

## Message:

Resinoid 2010 is a Phenolic product. It can be processed by compression molding, injection molding, or resin transfer molding and is available in North America. Applications of Resinoid 2010 include automotive, electrical/electronic applications and military applications.

Characteristics include:

Flame Rated

Good Dimensional Stability

Heat Resistant

General Information	
UL YellowCard	E61847-247061
Features	Good Dimensional Stability
	Good Thermal Stability
Uses	Automotive Applications
	Electrical Parts
Agency Ratings	MIL M-14G
Appearance	Black
Forms	Pellets
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm <sup>3</sup>	ASTM D792
Bulk Factor	2.0		ASTM D1895
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
E-Scale	86		
M-Scale	112		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Compressive Strength	145	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (1.8 MPa, Unannealed)	121	°C	ASTM D648
CLTE - Flow	1.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	10	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	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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