

Resinoid 2016P

Phenolic

Resinoid Engineering Corporation

Message:

Resinoid 2016P 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 2016P include automotive and electrical/electronic applications. Characteristics include:
Flame Rated
Impact Resistant

General Information	
Features	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	1.36	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
E-Scale	76		
M-Scale	108		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	57.9	MPa	ASTM D638
Flexural Strength (Yield)	82.7	MPa	ASTM D790
Compressive Strength	159	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	9.6	kV/mm	ASTM D149
Arc Resistance	115	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	

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