

Resinoid 2017

Phenolic

Resinoid Engineering Corporation

Message:

Resinoid 2017 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 2017 include automotive and electrical/electronic applications. Primary characteristic: impact resistant.

General Information			
Filler / Reinforcement	Filler		
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	1.34	g/cm ³	ASTM D792
Bulk Factor	8.0		ASTM D1895
Molding Shrinkage - Flow	0.40 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
E-Scale	75		
M-Scale	105		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	52.4	MPa	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength (Yield)	88.9	MPa	ASTM D790
Compressive Strength	143	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	224	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	9.6	kV/mm	ASTM D149

Arc Resistance	115	sec	ASTM D495
Injection	Nominal Value	Unit	
Processing (Melt) Temp	149 to 177	°C	

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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



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