

Resinoid 7201

Phenolic
Resinoid Engineering Corporation

Message:

Resinoid 7201 is a Phenolic product filled with glass fiber. It can be processed by compression molding, injection molding, or resin transfer molding and is available in North America. Primary characteristic: impact resistant.

General Information			
UL YellowCard	E61847-247067		
Filler / Reinforcement	Glass Fiber		
Features	Good Impact Resistance		
Appearance	Black		
Forms	Pellets		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Bulk Factor	2.0		ASTM D1895
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength (Yield)	85.5	MPa	ASTM D790
Compressive Strength	110	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	35	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	274	°C	ASTM D648
CLTE - Flow	3.8E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495

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

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