

# Resinoid 1382

Phenolic  
Resinoid Engineering Corporation

Message:

Resinoid 1382 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.

General Information			
UL YellowCard	E61847-247052		
Filler / Reinforcement	Glass Fiber		
Appearance	Black		
Forms	Pellets		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.88	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
E-Scale	94		
M-Scale	109		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.3	MPa	ASTM D638
Flexural Modulus	16500	MPa	ASTM D790
Flexural Strength (Yield)	114	MPa	ASTM D790
Compressive Strength	204	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	316	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149

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