

# Resinoid 1550

Phenolic

Resinoid Engineering Corporation

## Message:

Resinoid 1550 is a milled glass and mineral reinforced, two-step phenolic molding compound offering good mechanical properties. This product has been specifically formulated at a 2.47 specific gravity. This material comes in pelletized form and is suitable for injection, transfer or compression molding. It can be preformed on automatic equipment.

General Information			
Filler / Reinforcement	Glass\Mineral		
Appearance	Black		
Forms	Pellets		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	2.46	g/cm <sup>3</sup>	ASTM D792A
--	2.47	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow	0.10	%	ASTM D955, ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			
--	13800	MPa	ASTM D790
--	14000	MPa	ISO 178
Flexural Strength			
--	74.1	MPa	ASTM D790
--	74.0	MPa	ISO 178
Compressive Strength	217	MPa	ASTM D695, ISO 604

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
--	37	J/m	ASTM D256A
--	3.8	kJ/m <sup>2</sup>	ISO 180/2A

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