

# Resinoid 2089

Phenolic

Resinoid Engineering Corporation

## Message:

Resinoid 2089 is a chopped fabric reinforced, two-step phenolic molding compound offering good physical and wear properties. This product has been specifically formulated for mechanical applications where minimal wear and low shrinkage values are desired. This material comes in bulk fabric form and is suitable for compression molding.

General Information			
Filler / Reinforcement	Glass Fabric		
Features	Good Wear Resistance		
	Low Shrinkage		
Appearance	Black		
Forms	Pellets		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm <sup>3</sup>	ASTM D792A, ISO 1183
Molding Shrinkage - Flow	0.15	%	ASTM D955, ISO 294-4
Water Absorption			
24 hr	0.80	%	ASTM D570
23°C, 24 hr	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			
--	8270	MPa	ASTM D790
--	8200	MPa	ISO 178
Flexural Strength			
--	68.9	MPa	ASTM D790
--	69.3	MPa	ISO 178
Compressive Strength	110	MPa	ASTM D695, ISO 604
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
--	130	J/m	ASTM D256A
--	13	kJ/m <sup>2</sup>	ISO 180/2A

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