

Resinoid 2215

Phenolic

Resinoid Engineering Corporation

Message:

Resinoid 2215 is an organic fiber reinforced compound offering moderate impact strength. This product is available in a small pellet suitable for compression, transfer and injection molding.

General Information			
Filler / Reinforcement	Organic		
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	1.45	g/cm ³	ASTM D792A, ISO 1183
Water Absorption			
24 hr	0.50	%	ASTM D570
23°C, 24 hr	0.50	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	48.3	MPa	ASTM D638
Yield	48.0	MPa	ISO 527-2
Flexural Modulus			
--	9650	MPa	ASTM D790
--	9700	MPa	ISO 178
Flexural Strength			
--	79.3	MPa	ASTM D790
--	79.0	MPa	ISO 178
Compressive Strength	179	MPa	ASTM D695, ISO 604

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

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	199	°C	ASTM D648, ISO 75-2/A

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength			

--	7.9	kV/mm	ASTM D149
--	8.7	kV/mm	IEC 60243-1
Arc Resistance	100	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (6.35 mm)	V-0		UL 94

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