

Resinoid 1505

Phenolic

Resinoid Engineering Corporation

Message:

Resinoid 1505 is a milled glass reinforced, two-step phenolic molding compound offering good mechanical and electrical properties. This product has been specifically formulated for electrical applications where very low post-molded shrinkage is desired. This material comes in granular form and is suitable for injection, transfer or compression molding. It can be preformed on automatic equipment.

General Information	
UL YellowCard	E61847-247059
Filler / Reinforcement	Milled Glass Fiber
Features	Good Electrical Properties
	Low Shrinkage
Appearance	Green
Forms	Granules
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.86	g/cm ³	ASTM D792A, ISO 1183
Molding Shrinkage - Flow	0.10	%	ASTM D955, ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	38.4	MPa	ASTM D638
Yield	38.6	MPa	ISO 527-2
Flexural Modulus			
--	15900	MPa	ASTM D790
--	16000	MPa	ISO 178
Flexural Strength			
--	97.2	MPa	ASTM D790
--	97.6	MPa	ISO 178
Compressive Strength			
--	252	MPa	ASTM D695
--	253	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
--	24	J/m	ASTM D256A
--	2.4	kJ/m ²	ISO 180/2A
Electrical	Nominal Value	Unit	Test Method

Dielectric Strength	13	kV/mm	ASTM D149, IEC 60243-1
Arc Resistance	180	sec	ASTM D495

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