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AeroMarine Products AM150 Silicone High Temp/Encapsulation RTV Rubber

Product Description

AeroMarine Products AM150 Silicone High Temp/Encapsulation Rubber is a two component, room temperature platinum (addition) cure silicone material. The cured rubber is flame resistant and has excellent mechanical properties and good shelf-life stability. As in all similar applications, a small test to determine the suitability of this product for a specific application is recommended. DO NOT use AM 150 for lead molds!

Key Features

Simple one to one mix ratio
Low viscosity
Wide operating temperature range
Flame resistant
Fast demold time
Excellent dimensional stability

Main Applications

- Potting electrical circuits
- Ideal for marine and automotive use and for making molds for low-melt metals like pewter and tin
- Vibration and moisture protection

Typical Properties

Uncured properties	"A" component	"B" component
Appearance	Black	Buff
Viscosity, cps	2000	1000
Catalyzed properties		
Specific gravity	1.34	
Pot life	~45 minutes	
Cure time	12 Hours	
Typical cured properties		
Durometer	50	
Tensile Strength, psi	>450	
Elongation, %	>150	
Tear B, pli	~25	
Linear shrinkage	<0.3	
Useful Temperature Range	-50F to 500F	
Thermal Conductivity (@77F to 212F)	BTU-FT F: 7.5X10 ⁴	
Typical electrical properties		
Dielectric Strength volts/mil	450	
Dielectric Constant, 1 KHz	3.15	
Volume Resistivity ohm/cm	1.0 x 10 ¹⁵	
Linear shrinkage	<0.3	

Cure Inhibitors The following materials will inhibit the curing agent: sulfur compounds, organo-metallic salt-containing compounds, chloride solvents, amines, tin/condensation cured RTVs, and oil-based clays. Do not use latex gloves with this silicone. You can determine cure inhibition by brushing a small amount of the mixed silicone onto the surface and let it cure. If the silicone remains gummy/tacky after the cure time, then the surface is inhibiting the silicone's cure.

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