

Thermoset Plastics SC-102

Silicone

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics SC-102 is a Silicone material. It is available in North America for casting or encapsulating. Primary attribute of Thermoset Plastics SC-102: Insulating.
Typical application of Thermoset Plastics SC-102: Wire & Cable

General Information			
Features	Electrically Insulating		
Uses	Electronic Insulation		
Appearance	Clear/Transparent		
Forms	Gel		
Processing Method	Casting		
	Encapsulating		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.968	g/cm ³	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	26		ASTM D2240

Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	1.4E-3	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.5E+15	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
	100 Hz	2.98	
	100 kHz	2.96	
Dissipation Factor			ASTM D150
	100 Hz	2.8E-3	
	100 kHz	2.0E-4	

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0		
Resin	Mix Ratio by Weight: 1.0		
Thermoset Mix Viscosity (25°C)	340	cP	ASTM D2393
Demold Time (25°C)	480 to 720	min	

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Recommended distributors for this material

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