

Thermoset Plastics SC-114

Silicone

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics SC-114 is a Silicone material filled with filler. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics SC-114 are:

Flame Rated

Insulating

Low Viscosity

Typical application of Thermoset Plastics SC-114: Wire & Cable

General Information	
UL YellowCard	E84716-251648
Filler / Reinforcement	Filler
Features	Electrically Insulating
	Low Viscosity
Uses	Electronic Insulation
Appearance	Grey
Forms	Pellets
Processing Method	Casting
	Encapsulating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3.45	MPa	ASTM D638
Tensile Elongation (Yield)	150	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	7.8E-4	cm/cm/°C	ASTM D696
Thermal Conductivity	0.34	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+15	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
	100 Hz	3.12	
	100 kHz	3.10	
Dissipation Factor			ASTM D150
	100 Hz	8.4E-3	
	100 kHz	1.8E-3	
Flammability	Nominal Value	Unit	Test Method

Flame Rating	V-0		UL 94
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)	2500	cP	ASTM D2393
Demold Time (25°C)	480 to 720	min	

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Recommended distributors for this material

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