

Thermoset Plastics SC-148

Silicone

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics SC-148 is a Silicone material. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics SC-148 are:

Good Tear Strength

Insulating

Typical application of Thermoset Plastics SC-148: Wire & Cable

General Information			
Features	Electrically Insulating		
	Good Tear Strength		
Uses	Electronic Insulation		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Casting		
	Encapsulating		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	22		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4.76	MPa	ASTM D638
Tensile Elongation (Yield)	430	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	9.0E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.7E+15	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
	100 Hz	2.98	
	100 kHz	2.98	
Dissipation Factor			ASTM D150
	100 Hz	1.5E-3	
	100 kHz	2.0E-4	

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 10		
Resin	Mix Ratio by Weight: 100		

Thermoset Mix Viscosity (25°C)	50000	cP	ASTM D2393
Demold Time (25°C)	1400	min	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

