

Fujipoly Industries Sarcon® 85GSR Thin-Film GSR

Category : Polymer , Thermoset , Silicone

Material Notes:

Sarcon GSR is Fujipolys originally developed High Heat Conductive Silicone Rubber. Fine, high heat conductive ceramic particles are mixed with insulative silicone rubber. Sarcon GSR is a composite of Heat Conductive Silicone Rubber and fiberglass. Information provided by Fujipoly Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fujipoly-Industries-Sarcon-85GSR-Thin-Film-GSR.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ASTM D2240
	89	89	60°C for 500 hrs with 95% RH; ASTM D2240
	90	90	150°C for 1,000 hrs; ASTM D2240
Tensile Strength, Yield	17.647 MPa	2559.5 psi	
	20.0 MPa	2900 psi	150°C for 1,000 hrs; ASTM D1458
	20.0 MPa	2900 psi	60°C for 500 hrs with 95% RH
Elongation at Yield	<= 3.0 %	<= 3.0 %	
	<= 3.0 %	<= 3.0 %	150°C for 1,000 hrs; ASTM D1458
	<= 3.0 %	<= 3.0 %	60°C for 500 hrs with 95% RH; ASTM D1458

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	182 °C	360 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.60e+14 ohm-cm	3.60e+14 ohm-cm	60°C for 500 hrs with 95% RH
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
	1.20e+16 ohm-cm	1.20e+16 ohm-cm	150°C for 1,000 hrs
Dielectric Constant	3.63	3.63	After 1000 hrs at 150°C
	@Frequency 50 Hz	@Frequency 50 Hz	

Electrical Properties	3.63 Metric	3.63 English	Comments After 1000 hrs at 150Å°C
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	3.65	3.65	After 1000 hrs at 150Å°C
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.66	3.66	After 500 hrs at 60Å°C with 95% RH
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.66	3.66	After 500 hrs at 60Å°C with 95% RH
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	3.68	3.68	After 500 hrs at 60Å°C with 95% RH
	@Frequency 50 Hz	@Frequency 50 Hz	
	3.7	3.7	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	3.7	3.7	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.7	3.7	
	@Frequency 50 Hz	@Frequency 50 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	AC 60 Hz
	20.0 kV/mm	508 kV/in	AC 60 Hz
	22.0 kV/mm	559 kV/in	AC 60 Hz
Dielectric Breakdown	10000 V	10000 V	Withstand Voltage [V/min]; AC 60 Hz
Dissipation Factor	0.00040	0.00040	After 1000 hrs at 150Å°C
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00040	0.00040	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.00070	0.00070	After 500 hrs at 60Å°C with 95% RH
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00070	0.00070	After 1000 hrs at 150Å°C
	@Frequency 50 Hz	@Frequency 50 Hz	
	0.00070	0.00070	After 1000 hrs at 150Å°C
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.00090	0.00090	

Electrical Properties	Metric	English	Comments
	0.0013	0.0013	
	@Frequency 50 Hz	@Frequency 50 Hz	
	0.0018	0.0018	After 500 hrs at 60°C with 95% RH
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.0047	0.0047	After 500 hrs at 60°C with 95% RH
	@Frequency 50 Hz	@Frequency 50 Hz	

Descriptive Properties	Value	Comments
Color	White	
Thermal Impedance	0.51°C/W	FTM P-3010; ASTM D5470
Thermal Impedance AD Type	0.83°C/W	FTM P-3010; ASTM D5470

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China