Fujipoly Industries SarconÂ® 20GHR Thin-Film GHR

Category : Polymer , Thermoset , Silicone

Material Notes:

Sarcon HR is Fujipolys originally developed High Heat Conductive Silicone Rubber. Fine, high heat conductive ceramic particles are mixed with insulative silicone rubber.Sarcon GHR 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-20GHR-Thin-Film-GHR.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
	92	92	200Â°C for 1,000 hrs; ASTM D2240
	92	92	60Â°C for 500 hrs; ASTM D2240
	93	93	150Â°C for 1,000 hrs; ASTM D2240
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D1458
	42.5 MPa	6160 psi	200Â°C for 1,000 hrs
	48.0 MPa	6960 psi	150Â°C for 1,000 hrs; ASTM D1458
Elongation at Yield	<= 2.0 %	<= 2.0 %	ASTM D1458
	<= 2.0 %	<= 2.0 %	150Â°C for 1,000 hrs; ASTM D1458
	<= 2.0 %	<= 2.0 %	200Â°C for 1,000 hrs; ASTM D1458

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

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+10 ohm-cm	2.00e+10 ohm-cm	60Â°C for 500 hrs
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
	7.30e+15 ohm-cm	7.30e+15 ohm-cm	150Â°C for 1,000 hrs
	1.80e+16 ohm-cm	1.80e+16 ohm-cm	200Â°C for 1,000 hrs

Electrical Properties	Metric	English	Comments
	2.9 @Frequency 50 Hz	2.9 @Frequency 50 Hz	hrs at 150Â°C
	2.9 @Frequency 50 Hz	2.9 @Frequency 50 Hz	After 1000 hrs at 200Â°C
	2.9 @Frequency 1000 Hz	2.9 @Frequency 1000 Hz	After 1000 hrs at 150Â°C
	2.9 @Frequency 1000 Hz	2.9 @Frequency 1000 Hz	After 1000 hrs at 200Â°C
	2.9 @Frequency 1e+6 Hz	2.9 @Frequency 1e+6 Hz	After 1000 hrs at 150Â°C
	2.9 @Frequency 1e+6 Hz	2.9 @Frequency 1e+6 Hz	After 1000 hrs at 200Â°C
	3.3 @Frequency 1e+6 Hz	3.3 @Frequency 1e+6 Hz	
	3.3 @Frequency 50 Hz	3.3 @Frequency 50 Hz	
	3.3 @Frequency 1000 Hz	3.3 @Frequency 1000 Hz	
	4.0 @Frequency 1e+6 Hz	4.0 @Frequency 1e+6 Hz	After 500 hrs at 60Â°C
	4.1 @Frequency 1000 Hz	4.1 @Frequency 1000 Hz	After 500 hrs at 60Â°C
	4.4 @Frequency 50 Hz	4.4 @Frequency 50 Hz	After 500 hrs at 60Â°C
Dielectric Strength	4.00 kV/mm	102 kV/in	200Â°C for 1,000 hrs
	4.00 kV/mm	102 kV/in	60Â°C for 500 hrs
	5.00 kV/mm	127 kV/in	150Â°C for 1,000 hrs
	6.00 kV/mm	152 kV/in	AC 60 Hz
Dielectric Breakdown	4000 V	4000 V	Withstand Voltage [V/min]; AC 60 Hz
Dissipation Factor	0.0010	0.0010	After 1000 hrs at 200Â°C

Electrical Properties	Metric	English	Comments
	@Frequency 1000 Hz 0.0020 @Frequency 1000 Hz	@Frequency 1000 Hz 0.0020 @Frequency 1000 Hz	After 1000 hrs at 150Â°C
	0.0020 @Frequency 50 Hz	0.0020 @Frequency 50 Hz	After 1000 hrs at 200Â°C
	0.0030 @Frequency 1e+6 Hz	0.0030 @Frequency 1e+6 Hz	After 1000 hrs at 150Â°C
	0.0030 @Frequency 1e+6 Hz	0.0030 @Frequency 1e+6 Hz	After 1000 hrs at 200Â°C
	0.0030 @Frequency 1000 Hz	0.0030 @Frequency 1000 Hz	
	0.0040 @Frequency 1e+6 Hz	0.0040 @Frequency 1e+6 Hz	
	0.0040 @Frequency 50 Hz	0.0040 @Frequency 50 Hz	After 1000 hrs at 150Â°C
	0.0090 @Frequency 50 Hz	0.0090 @Frequency 50 Hz	
	0.014 @Frequency 1e+6 Hz	0.014 @Frequency 1e+6 Hz	After 500 hrs at 60Â°C
	0.026 @Frequency 1000 Hz	0.026 @Frequency 1000 Hz	After 500 hrs at 60Â°C
	0.061 @Frequency 50 Hz	0.061 @Frequency 50 Hz	After 500 hrs at 60Â°C

Descriptive Properties	Value	Comments
Color	Brown	
Thermal Impedance	0.57Â°C/W	FTM P-3010; ASTM D5470
Thermal Impedance AD Type	0.66Â°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