

Fujipoly Industries Sarcon® GR-c Gap Filler Pad

Category : Polymer , Thermoset , Silicone

Material Notes:

Sarcon GR-c is a highly conformable, thermally conductive (no electric conductive) and electromagnetic wave absorption material in areas where space between surfaces is uneven and surface textures vary. Information provided by Fujipoly Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fujipoly-Industries-Sarcon-GR-c-Gap-Filler-Pad.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.80 g/cc	2.80 g/cc	150Â°C for 1,000 hrs; JIS-K-6220
	2.80 g/cc	2.80 g/cc	JIS-K-6220; ASTM D-792
	2.80 g/cc	2.80 g/cc	70Â°C for 1,000 hrs; JIS-K-6220
	2.80 g/cc	2.80 g/cc	60Â°C for 1,000 hrs with 90% RH; JIS-K-6220

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	28	28	70Â°C for 1,000 hrs; SRIS0101
	29	29	60Â°C for 1,000 hrs with 90% RH; SRIS0101
	31	31	150Â°C for 1,000 hrs; SRIS0101
Hardness, Shore OO	52	52	SRIS0101; ASTM D-2240
Tensile Strength, Yield	0.300 MPa	43.5 psi	JIS-K-6251(#2)/ASTM D-412
	0.500 MPa	72.5 psi	70Â°C for 1,000 hrs; JIS-K-6251(#2)
	0.600 MPa	87.0 psi	60Â°C for 1,000 hrs with 90% RH; JIS-K-6251(#2)
	0.800 MPa	116 psi	150Â°C for 1,000 hrs; JIS-K-6251(#2)
Elongation at Yield	130 %	130 %	150Â°C for 1,000 hrs; JIS-K-6251(#2)
	130 %	130 %	60Â°C for 1,000 hrs with 90% RH; JIS-K-6251(#2)
	130 %	130 %	70Â°C for 1,000 hrs; JIS-K-6251(#2)
	150 %	150 %	JIS-K-6251(#2)/ASTM D-412
Tear Strength	2.00 kN/m	11.4 pli	60Â°C for 1,000 hrs with 90% RH; JIS-K-6252 (Angle)
	2.00 kN/m	11.4 pli	150Â°C for 1,000 hrs; JIS-K-6252 (Angle)

Mechanical Properties	Metric	English	Comments
	2.00 kN/m	11.4 pli	1,000 hrs; JIS-K-6252 (Angle)
	2.00 kN/m	11.4 pli	JIS-K-6252 (Angle)/ASTM D-624

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.20 W/m-K	8.33 BTU-in/hr-ftÂ²-Â°F	JIS-R-2618; ASTM D2326
	1.20 W/m-K	8.33 BTU-in/hr-ftÂ²-Â°F	150Â°C for 1,000 hrs; JIS-R-2618
	1.20 W/m-K	8.33 BTU-in/hr-ftÂ²-Â°F	60Â°C for 1,000 hrs with 90% RH; JIS-R-2618
	1.20 W/m-K	8.33 BTU-in/hr-ftÂ²-Â°F	70Â°C for 1,000 hrs; JIS-R-2618
Maximum Service Temperature, Air	200 Â°C	392 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	1.80e+12 ohm-cm	1.80e+12 ohm-cm	150Â°C for 1,000 hrs; JIS-K-6249
	2.50e+12 ohm-cm	2.50e+12 ohm-cm	150Â°C for 1,000 hrs; JIS-K-6249
	1.00e+13 ohm-cm	1.00e+13 ohm-cm	JIS-K-6249/ASTM D257
	5.00e+13 ohm-cm	5.00e+13 ohm-cm	70Â°C for 1,000 hrs; JIS-K-6249
Dielectric Strength	18.0 kV/mm	457 kV/in	JIS-K-6249; ASTM D-149
Dielectric Breakdown	14000 V	14000 V	Withstand Voltage [V/min]; JIS-K-6249; ASTM D-149

Descriptive Properties	Value	Comments
Color	Black	

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