

Fujipoly Industries Sarcon® 25G-Td Thin-Film GR-TD

Category : Polymer , Thermoset , Silicone

Material Notes:

Sarcon 25G-Td is a highly conformable, thermally conductive 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-25G-Td-Thin-Film-GR-TD.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.51 g/cc	2.51 g/cc	70°C for 1,000 hrs; JIS-K-6220
	2.52 g/cc	2.52 g/cc	60°C for 1,000 hrs with 90% RH; JIS-K-6220
	2.56 g/cc	2.56 g/cc	50°C for 1,000 hrs; JIS-K-6220
	2.60 g/cc	2.60 g/cc	JIS-K-6220; ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	49	49	ASTM D2240
Tensile Strength, Yield	5.00 MPa	725 psi	150°C for 1,000 hrs; JIS-K-6251
	6.00 MPa	870 psi	70°C for 1,000 hrs; JIS-K-6251
	7.00 MPa	1020 psi	60°C for 1,000 hrs with 90% RH; JIS-K-6251
	11.0 MPa	1600 psi	JIS-K-6251(#2)/ASTM D-412
Elongation at Yield	15 %	15 %	JIS-K-6251(#2)/ASTM D-412
	15 %	15 %	70°C for 1,000 hrs; JIS-K-6251
Tear Strength	11.0 kN/m	62.8 pli	70°C for 1,000 hrs; JIS-K-6252
	21.0 kN/m	120 pli	JIS-K-6252 (Angle)/ASTM D-624

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.50 W/m-K	10.4 BTU-in/hr-ft ² -°F	150°C for 1,000 hrs; JIS-R-2618
	1.50 W/m-K	10.4 BTU-in/hr-ft ² -°F	60°C for 1,000 hrs with 90% RH; JIS-R-2618
	1.50 W/m-K	10.4 BTU-in/hr-ft ² -°F	70°C for 1,000 hrs; JIS-R-2618

Maximum Service Temperature, Air Thermal Properties	150 Å°C Metric	302 Å°F English	Comments
Minimum Service Temperature, Air	-40.0 Å°C	-40.0 Å°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.90e+13 ohm-cm	2.90e+13 ohm-cm	
	7.80e+13 ohm-cm	7.80e+13 ohm-cm	70Å°C for 1,000 hrs; JIS-K-6249
	1.50e+14 ohm-cm	1.50e+14 ohm-cm	150Å°C for 1,000 hrs
	1.50e+14 ohm-cm	1.50e+14 ohm-cm	60Å°C for 1,000 hrs with 90% RH
Dielectric Strength	5.00 kV/mm	127 kV/in	JIS-K-6249/ASTM D-149
Dielectric Breakdown	3000 V	3000 V	Withstand Voltage [V/min]; JIS-K-6249/ASTM D-149

Descriptive Properties	Value	Comments
Color	Dark Grey	

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