

Saint-Gobain COHRLastic[®] CF1869 Thermally Conductive Silicone Coated Fabric

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: Conductive silicones expand the use of our products into the electronic assembly market. By the use of special fillers, silicone can be made thermally or electrically conductive. CF1869 is a thermally-conductive coated fabric providing thin, cost-effective heat transfer capability. It is obtainable plain or with thermally-conductive pressure sensitive adhesive on one side. All data based on a 0.009 inch test sample. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-CF1869-Thermally-Conductive-Silicone-Coated-Fabric.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ASTM D2240
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D412
Elongation at Break	<= 5.0 %	<= 5.0 %	ASTM D412
Tear Strength	17.5 kN/m	100 pli	Initial Tear Strength; ASTM D624, Die B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.800 W/m-K	5.55 BTU-in/hr-ft ² - °F	
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-62.2 °C	-80.0 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D991
Dielectric Strength	13.0 kV/mm	330 kV/in	

Descriptive Properties	Value	Comments
Color	Gray	
Thermal Impedance (°Cin ² /W)	0.44	ASTM E1530

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