

Fujipoly Industries FG-S Fine Connector

Category : Polymer , Thermoset , Silicone

Material Notes:

Fujipoly FG-S connectors have anisotropic conduction properties. The fine metal wires are embedded in a vertical orientation within the silicone rubber width of 0.40mm. Low resistance and high current capacity make this series very versatile for many interconnect applications. Information provided by Fujipoly Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fujipoly-Industries-FG-S-Fine-Connector.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.740 g/cc	0.740 g/cc	Silicone Sponge; JIS K6249/ASTM D792
	1.02 g/cc	1.02 g/cc	Silicone Rubber; JIS K6249/ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	47	47	Silicone Rubber; JIS K6249/ASTM D2240
Tensile Strength, Yield	3.00 MPa	435 psi	Silicone Rubber; JIS K6249(Die #3)/ASTM D412
Elongation at Yield	240 %	240 %	Silicone Rubber; JIS K6249(Die #3)/ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 Â°C	185 Â°F	
Minimum Service Temperature, Air	-40.0 Â°C	-40.0 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+14 ohm-cm	7.00e+14 ohm-cm	Silicone Rubber; JIS-K-6249/ASTM D257
Surface Resistance	0.50 ohm	0.50 ohm	Contact Resistance, Electrode pad width = 0.25 mm
Insulation Resistance	>= 2.00e+7 ohm	>= 2.00e+7 ohm	Gap = 0.25 mm

Descriptive Properties	Value	Comments
Color	Clear or White	Silicone Rubber
Continuity Resistance	<0.5 ohms	
Current Carrying Capacity	30 mA/wire	

Descriptive Properties in Range

Value: 5-20%, 3mm

Comments

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