

Fujipoly Industries Zebra® Silver Connector

Category : Polymer , Thermoset , Silicone

Material Notes:

Fujipoly New High performance Silver Zebra connectors are constructed of alternating parallel layers of electrically conductive and nonconductive silicone elastomer. The electrically conductive layer is filled with silver metal particles. Information provided by Fujipoly Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fujipoly-Industries-Zebra-Silver-Connector.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	Support Rubber
	58	58	Insulating Layer
	80	80	Conductive Layer
Tensile Strength, Yield	2.00 MPa	290 psi	Conductive Layer
	4.00 MPa	580 psi	Support Rubber
	7.70 MPa	1120 psi	Insulating Layer
Elongation at Yield	120 %	120 %	Conductive Layer
	380 %	380 %	Insulating Layer
	400 %	400 %	Support Rubber
Tear Strength	13.0 kN/m	74.2 pli	Conductive Layer
	17.0 kN/m	97.0 pli	Insulating Layer

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	0.00010 ohm-cm	0.00010 ohm-cm	Conductive Layer
	1.00e+14 ohm-cm	1.00e+14 ohm-cm	Support Rubber
	1.00e+14 ohm-cm	1.00e+14 ohm-cm	Insulating Layer
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	Between Layers

Descriptive Properties	Value	Comments
Color	Light Blue	Support Rubber
	Off-White	Insulating Layer
	Silver Gray	Conductive Layer
Continuity Resistance	<0.5 ohms	
Current Carrying Capacity	700 mA	1.0mm pitch; 0.50mm by 0.50mm pad

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