

Parker Chomerics Tecknit Consil®-A 895 Silver-Aluminum Filled Silicone Elastomer

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: CONSIL-A is a silicone or fluorosilicone elastomer filled with silver-plated aluminum particles designed to achieve maximum electrical conductivity. CONSIL-A provides high shielding effectiveness with minimal galvanic corrosion. Lighter in weight than other high performance conductive elastomers, CONSIL-A provides an excellent moisture seal for enclosure joints and seams. Typical Applications:

The MILG-83528 certified compounds meet the demanding requirements of many military and aerospace systems, high frequency microwave environments and wave guide connector gaskets. EMP and TEMPEST requirements are ideal applications for CONSIL-

A. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Consil-A-895-Silver-Aluminum-Filled-Silicone-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.74 - 2.26 g/cc	1.74 - 2.26 g/cc	ASTM D792
Deformation	10 %	10 %	7 pli; 0.125" diameter cord
	10 %	10 %	40 pli; 0.125" by 0.25" strip
	20 %	20 %	11 pli; 0.125" diameter cord
	20 %	20 %	80 pli; 0.125" by 0.25" strip

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58 - 72	58 - 72	ASTM D2240
Tensile Strength	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	100 - 300 %	100 - 300 %	ASTM D412
Tear Strength	5.26 kN/m	30.0 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0080 ohm-cm	<= 0.0080 ohm-cm	
Shielding Effectiveness	75 dB	75 dB	H-Field

Electrical Properties	@Frequency 100000 Hz Metric	@Frequency 100000 Hz English	Comments
	100 dB	100 dB	Plane Wave
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	110 dB	110 dB	Plane Wave
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	>= 120 dB	>= 120 dB	E-Field
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	

Descriptive Properties	Value	Comments
Binder	Silicone	
Color	Blue	
Filler	Silver Plated Aluminum Particles	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China