

## Parker Chomerics CHO-SEAL® 6503 Conductive Elastomer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone

### Material Notes:

Description: Highest performance in harsh environments; excellent shielding; best choice for corrosion requirements against aluminum. Molded and Extruded RoHS Compliant Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SEAL-6503-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6503-Conductive-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 2.30 g/cc	1.80 - 2.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67 - 81	67 - 81	ASTM D2240
Tensile Strength	>= 1.03 MPa	>= 150 psi	ASTM D412
Elongation at Break	>= 50 %	>= 50 %	ASTM D412
Tear Strength	>= 6.14 kN/m	>= 35.0 pli	ASTM D624
Compression Set	<= 30 % @Temperature 100 °C, Time 252000 sec	<= 30 % @Temperature 212 °F, Time 70.0 hour	ASTM D395, Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.900 W/m-K @Pressure 2.07 MPa	6.25 BTU-in/hr-ft <sup>2</sup> -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Flex TR10

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.25 ohm-cm	<= 0.25 ohm-cm	without pressure-sensitive adhesive; CEPS-0002
Shielding Effectiveness	>= 95 dB @Frequency 1.00e+8 Hz	>= 95 dB @Frequency 1.00e+8 Hz	E Field; Method 3, CHO-TM-TP09
	>= 100 dB @Frequency 1.00e+10 Hz	>= 100 dB @Frequency 1.00e+10 Hz	Plane Wave; Method 3, CHO-TM-TP09

Electrical Properties	$\geq 110$ dB Metric	$\geq 110$ dB English	Comments
	@Frequency 2.00e+9 Hz	@Frequency 2.00e+9 Hz	Plane Wave, Method 3, CHO-TM- TP09

Descriptive Properties	Value	Comments
Binder	Fluorosilicone	
Filler	Ni/Al	
Heat Aging	<0.25 ohm-cm	CEPS-0002

## Contact Songhan Plastic Technology Co.,Ltd.

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