

Parker Chomerics CHO-SEAL® 6510 Conductive Elastomer

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

Material Notes:

Extruded only Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6510-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 - 2.05 g/cc	1.55 - 2.05 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 75	55 - 75	ASTM D2240
Tensile Strength	>= 1.03 MPa	>= 150 psi	ASTM D412
Elongation at Break	<= 75 %	<= 75 %	ASTM D412
Tear Strength	<= 4.38 kN/m	<= 25.0 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
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Flex TR10

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.012 ohm-cm	<= 0.012 ohm-cm	without pressure-sensitive adhesive; MIL-DTL-83528
Shielding Effectiveness	>= 100 dB @Frequency 1.00e+10 Hz	>= 100 dB @Frequency 1.00e+10 Hz	Plane Wave; Method 3, CHO-TM-TP09
	>= 105 dB @Frequency 1.00e+8 Hz	>= 105 dB @Frequency 1.00e+8 Hz	E-Field; Method 3, CHO-TM-TP09
	>= 110 dB @Frequency 2.00e+9 Hz	>= 110 dB @Frequency 2.00e+9 Hz	Plane Wave; Method 3, CHO-TM-TP09

Descriptive Properties	Value	Comments
Binder	Silicone	
Filler	Ni/Glass	
Heat Aging	<0.25 ohm-cm	MIL-DTL-83528 Para. 4.6.15

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