

Parker Chomerics CHO-SEAL® 1270 Conductive Elastomer

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

Material Notes:

Description: Material of choice for high-end commercial applications; superior performance, in non-corrosive environments; tear trim compression and injection molding. A low durometer hardness elastomer, is recommended for applications requiring low compression forces. Molded only RoHS Compliant Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1270-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.65 - 3.15 g/cc	2.65 - 3.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	33 - 47	33 - 47	ASTM D2240
Tensile Strength	>= 0.552 MPa	>= 80.0 psi	ASTM D412
Elongation at Break	>= 75 %	>= 75 %	ASTM D412
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	0.800 W/m-K @Pressure 2.07 MPa	5.55 BTU-in/hr-ft ² -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	Flex TR10

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.050 ohm-cm	<= 0.050 ohm-cm	without pressure-sensitive adhesive; CEPS-0002
Shielding Effectiveness	>= 70 dB @Frequency 2.00e+9 Hz	>= 70 dB @Frequency 2.00e+9 Hz	Plane Wave; Method 3, CHO-TM-TP09
	>= 70 dB @Frequency 1.00e+10 Hz	>= 70 dB @Frequency 1.00e+10 Hz	Plane Wave; Method 3, CHO-TM-TP09

Electrical Properties	>= 80 dB Metric	>= 80 dB English	Comments
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	E-Field; Method 3, CHO-TM-TP09
	>= 80 dB	>= 80 dB	
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	E-Field; Method 3, CHO-TM-TP09

Descriptive Properties	Value	Comments
Binder	Silicone	
Filler	Ag/Cu	
Heat Aging	<0.1 ohm-cm	150°C for 48 hr, CEPS-0002

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