

Parker Chomerics CHO-SEAL® 6330 Conductive Elastomer

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

Material Notes:

Description: Good performance in moderately corrosive environments; material of choice for flange finishes needing "bite-through" for good electrical contact. A low durometer hardness elastomer, is designed 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-6330-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 - 1.45 g/cc	1.32 - 1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	33 - 47	33 - 47	ASTM D2240
Tensile Strength	>= 0.827 MPa	>= 120 psi	ASTM D412
Elongation at Break	>= 75 %	>= 75 %	ASTM D412
Compression Set	<= 25 % @Temperature 100 °C, Time 252000 sec	<= 25 % @Temperature 212 °F, Time 70.0 hour	ASTM D395, Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.600 W/m-K @Pressure 2.07 MPa	4.16 BTU-in/hr-ft ² -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Flex TR10
Flammability, UL94	V-1	V-1	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.25 ohm-cm	<= 0.25 ohm-cm	without pressure-sensitive adhesive; CEPS-0002
Shielding Effectiveness	>= 0.60 dB @Frequency 4.00e+10 Hz	>= 0.60 dB @Frequency 4.00e+10 Hz	Plane Wave; Method 1, CHO-TM- TP08
	>= 70 dB @Frequency 2.00e+9	>= 70 dB @Frequency 2.00e+9	Plane Wave; Method 1, CHO-TM- TP08

Electrical Properties	Hz Metric	Hz English	Comments
	>= 70 dB @Frequency 1.00e+10 Hz	>= 70 dB @Frequency 1.00e+10 Hz	Plane Wave; Method 1, CHO-TM-TP08
	>= 75 dB @Frequency 1.00e+8 Hz	>= 75 dB @Frequency 1.00e+8 Hz	E-Field; Method 1, CHO-TM-TP08
	>= 75 dB @Frequency 5.00e+8 Hz	>= 75 dB @Frequency 5.00e+8 Hz	E-Field; Method 1, CHO-TM-TP08

Descriptive Properties	Value	Comments
Binder	Silicone	
Filler	Ni/C	
Heat Aging	<0.25 ohm-cm	150°C for 48 hr, CEPS-0002

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