

Parker Chomerics CHO-SEAL® 6371 Conductive Elastomer

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

Material Notes:

Good performance in moderately corrosive environments; material of choice for flange finishes needing "bite-through" for good electrical contact. Molded only RoHS Compliant Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6371-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 2.25 g/cc	1.75 - 2.25 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 75	55 - 75	ASTM D2240
Tensile Strength at Break	>= 1.03 MPa	>= 150 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Compression Set	<= 40 % @Temperature 100 °C, Time 252000 sec	<= 40 % @Temperature 212 °F, Time 70.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.10 W/m-K @Pressure 2.07 MPa	7.63 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; ASTM D1329
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.10 ohm-cm	0.10 ohm-cm	without psa; CEPS-002
Shielding Effectiveness	>= 100 dB	>= 100 dB	500 MHz (E Field); MIL-G-83528
	>= 80 dB @Frequency 2.00e+9 Hz	>= 80 dB @Frequency 2.00e+9 Hz	CHO-TM-TP08
	>= 80 dB @Frequency 1.00e+9	>= 80 dB @Frequency 1.00e+9	CHO-TM-TP08

Electrical Properties	Hz Metric	Hz English	Comments
	>= 100 dB	>= 100 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	CHO-TM-TP08
	>= 100 dB	>= 100 dB	
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	CHO-TM-TP08

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

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