

Parker Chomerics CHO-SEAL 1310 Conductive Elastomer

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

Material Notes:

Moderate performance in non-corrosive environments, no corrosion or fluid resistance; material of choice for small, delicate injection-molded parts or large dimension extrusionsMolded onlyRoHS CompliantInformation provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1310-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 - 2.05 g/cc	1.55 - 2.05 g/cc	ASTM D792
Deformation	0.0060 %	0.0060 %	.75 pli; Predicted by FEA
	0.010 %	0.010 %	1.25 pli; Predicted by FEA
	0.014 %	0.014 %	2 pli; Predicted by FEA
	0.018 %	0.018 %	2.9 pli; Predicted by FEA

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60 - 80	60 - 80	ASTM D2240
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Compression Set	<= 35 % @Temperature 100 °C, Time 252000 sec	<= 35 % @Temperature 212 °F, Time 70.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Flex TR10; ASTM D1329
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.010 ohm-cm	0.010 ohm-cm	without psa; CEPS-0002
Shielding Effectiveness	>= 80 dB	>= 80 dB	Plane Wave; CHO-TM-TP08
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	

Electrical Properties	≥ 90 dB Metric	≥ 90 dB English	Comments Plane Wave; CHO-TM-TP08
	@Frequency 2.00e+9 Hz	@Frequency 2.00e+9 Hz	
	≥ 100 dB	≥ 100 dB	E Field; CHO-TM-TP08
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	≥ 100 dB	≥ 100 dB	E Field; CHO-TM-TP08
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	

Descriptive Properties	Value	Comments
Binder	Silicone	
Filler	Ag/Glass	
Heat Aging	<0.01ohm-cm	CEPS-0002

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