

Parker Chomerics CHO-SEAL 1350 Conductive Elastomer

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

Material Notes:

Standard material for high volume injection and compression molding and small extrusions; high performance in non-corrosive environments; used in grounding applications with little or no vibration. RoHS Compliant Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1350-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 - 2.15 g/cc	1.65 - 2.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58 - 72	58 - 72	ASTM D2240
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	100 - 300 %	100 - 300 %	ASTM D412
Tear Strength	5.250 kN/m	29.96 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
Thermal Conductivity	1.20 W/m-K @Pressure 2.07 MPa	8.33 BTU-in/hr-ft²-°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Flex TR10; ASTM D1329

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.010 ohm-cm	0.010 ohm-cm	as supplied without pressure sensitive adhesive; MIL-DTL-83528
	0.010 ohm-cm	0.010 ohm-cm	Post Tensile Set; MIL-DTL-83528 Para.4.6.9
Shielding Effectiveness	>= 100 dB	>= 100 dB	100 MHz (E Field); MIL-G-83528
	>= 50 dB @Frequency 200000 Hz	>= 50 dB @Frequency 200000 Hz	H Field; MIL-DTL-83528 Para.4.6.12

Electrical Properties	>= 75 dB Metric	>= 75 dB English	Comments
	@Frequency 4.00e+10 Hz	@Frequency 4.00e+10 Hz	MIL-DTL-83528 Para.4.6.12
	>= 80 dB	>= 80 dB	Plane Wave; MIL-DTL-83528 Para.4.6.12
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	>= 90 dB	>= 90 dB	Plane Wave; MIL-DTL-83528 Para.4.6.12
	@Frequency 2.00e+9 Hz	@Frequency 2.00e+9 Hz	
	>= 100 dB	>= 100 dB	E Field; MIL-DTL-83528 Para.4.6.12
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	>= 100 dB	>= 100 dB	E Field; MIL-DTL-83528 Para.4.6.12
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	

Descriptive Properties	Value	Comments
Binder	Silicone	
Filler	Ag/Glass	
Heat Aging ohm-cm max	0.01	
Type	M	MIL-DTL-83528

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China