

Parker Chomerics CHO-SEAL® 6307 Conductive Elastomer

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

Material Notes:

Description: Good performance in moderately corrosive environments; excellent NBC fluid resistance; good physical properties. Molded only RoHS Compliant Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6307-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	68 - 82	68 - 82	ASTM D2240
Tensile Strength	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	<= 75 %	<= 75 %	ASTM D412
Tear Strength	<= 10.5 kN/m	<= 60.0 pli	ASTM D624
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	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	100 °C	212 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	Flex TR10

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 5.0 ohm-cm	<= 5.0 ohm-cm	without pressure-sensitive adhesive; CEPS-0002
Shielding Effectiveness	>= 85 dB @Frequency 2.00e+9 Hz	>= 85 dB @Frequency 2.00e+9 Hz	Plane Wave; Method 2, MIL-DTL- 83528 Para. 4.6.12
	>= 85 dB @Frequency 1.00e+10 Hz	>= 85 dB @Frequency 1.00e+10 Hz	Plane Wave; Method 2, MIL-DTL- 83528 Para. 4.6.12

Electrical Properties	≥ 90 dB Metric	≥ 90 dB English	Comments
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	E-Field; Method 2, MIL-DTL-83528 Para. 4.6.12
	≥ 95 dB @Frequency 1.00e+8 Hz	≥ 95 dB @Frequency 1.00e+8 Hz	E-Field; Method 2, MIL-DTL-83528 Para. 4.6.12

Descriptive Properties	Value	Comments
Binder	EPDM	
Filler	Ni/C	
Heat Aging	<10 ohm-cm	100°C for 48hrs; CEPS-0002

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