

Parker Chomerics CHO-SEAL V6433 Conductive Elastomer

Category : Polymer , Thermoset , Fluoropolymer, TS , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Material of choice for extensive fluid resistance; no corrosion resistance. Molded only RoHS Compliant Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-V6433-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	4.55 - 5.05 g/cc	4.55 - 5.05 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78 - 92	78 - 92	ASTM D2240
Tensile Strength at Break	>= 2.76 MPa	>= 400 psi	ASTM D412
Elongation at Break	>= 50 %	>= 50 %	ASTM D412
Tear Strength	12.25 kN/m	69.90 pli	ASTM D624
Compression Set	<= 45 % @Temperature 100 °C, Time 252000 sec	<= 45 % @Temperature 212 °F, Time 70.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.10 W/m-K @Pressure 2.07 MPa	14.6 BTU-in/hr-ft ² -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-25.0 °C	-13.0 °F	Flex TR10; ASTM D1329

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0060 ohm-cm	0.0060 ohm-cm	as supplied without pressure sensitive adhesive; MIL-DTL-83528
Shielding Effectiveness	>= 90 dB @Frequency 2.00e+9 Hz	>= 90 dB @Frequency 2.00e+9 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	>= 90 dB @Frequency 1.00e+10 Hz	>= 90 dB @Frequency 1.00e+10 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	>= 100 dB	>= 100 dB	

Electrical Properties	Metric	English	Comments
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12
	>= 105 dB	>= 105 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12

Descriptive Properties	Value	Comments
Binder	Fluorocarbon/Fluorosilicone	
Filler	Ag/Ni	
Heat Aging	<0.008 ohm-cm	200°C fir 48 hrs; CEPS-0002

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