

Parker Chomerics CHO-SEAL® 6372 Graphite Filled Elastomer

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

Material Notes:

EMI Gaskets. This extruded nickel-plated graphite filled elastomer addresses EMI shielding and environmental needs for both internal and external applications. It has an excellent performance in salt spray corrosion applications and there are options for addressing fluid immersion requirements as well as Underwriters Laboratories flammability requirements. Extruded only. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6372-Graphite-Filled-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 - 2.05 g/cc	1.55 - 2.05 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 64	50 - 64	ASTM D2240
Tensile Strength at Break	>= 1.03 MPa	>= 150 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Tear Strength	6.130 kN/m	34.98 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
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Flex TR10; ASTM D5470
Flammability, UL94	V-1	V-1	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.75 ohm-cm	0.75 ohm-cm	without psa; CEPS-0002
Shielding Effectiveness	>= 80 dB @Frequency 2.00e+9 Hz	>= 80 dB @Frequency 2.00e+9 Hz	CHO-TM-TP08
	>= 80 dB @Frequency 1.00e+10 Hz	>= 80 dB @Frequency 1.00e+10 Hz	CHO-TM-TP08
	>= 90 dB	>= 90 dB	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	>= 90 dB	>= 90 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	<0.85 ohm-cm	150°C for 48 hrs; CEPS-0002

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