

Parker Chomerics CHO-SEAL 6309 Extruded Elastomer

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

Material Notes:

Commercial Grade Extruded Elastomer. This is an extruded nickel-plated graphite filled silicone elastomer that provides a minimum shielding effectiveness of 75 dB from 100 MHz to 10 GHz. This low cost, commercial-grade elastomer is suitable for indoor and outdoor applications where excellent resistance to compression set and superior corrosion performance are required. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-6309-Extruded-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 - 70	50 - 70	ASTM D2240
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	>= 75 %	>= 75 %	ASTM D412
Compression Set	<= 30 %	<= 30 %	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.50 ohm-cm	<= 0.50 ohm-cm	without pressure-sensitive adhesive; CEPS-0002
	<= 1.25 ohm-cm	<= 1.25 ohm-cm	After heat aging; CEPS-0002
Shielding Effectiveness	>= 75 dB	>= 75 dB	2 GHz (Plane Wave); MIL-G-83528
	>= 75 dB	>= 75 dB	10 GHz (Plane Wave); MIL-G-83528
	>= 80 dB	>= 80 dB	100 MHz (E Field); MIL-G-83528
	>= 80 dB	>= 80 dB	500 MHz (E Field); MIL-G-83528

Descriptive Properties	Value	Comments
Binder	Silicone	

Descriptive Properties	Value	Comments
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