

## Parker Chomerics CHO-SEAL 1287 Conductive Elastomer

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

### Material Notes:

Conductive Fluorosilicone EMI/EMP Gasket. This material is silver-plated-aluminum-filled fluorosilicone elastomer which provides pressure and environmental sealing as well as high levels of EMI shielding. It is one of the more corrosion resistant silver-based elastomers, and is recommended where both salt spray and jet fuel environments are present. Molded and Extruded Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SEAL-1287-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1287-Conductive-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 2.25 g/cc	1.75 - 2.25 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63 - 77	63 - 77	ASTM D2240
Tensile Strength at Break	>= 1.24 MPa	>= 180 psi	ASTM D412
Elongation at Break	60 - 260 %	60 - 260 %	ASTM D412
Tear Strength	6.13 kN/m	35.0 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	200 °C	392 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Flex TR10; ASTM D1329

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.012 ohm-cm	0.012 ohm-cm	without psa; MIL-DTL-83528
	0.015 ohm-cm	0.015 ohm-cm	Post Tensile Set; MIL-G-83528 Para.4.6.9
Shielding Effectiveness	>= 55 dB @Frequency 200000 Hz	>= 55 dB @Frequency 200000 Hz	H Field; MIL-DTL-83528 Para.4.6.12
	>= 75 dB @Frequency 4.00e+10 Hz	>= 75 dB @Frequency 4.00e+10 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	>= 90 dB	>= 90 dB	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	>= 95 dB @Frequency 2.00e+9 Hz	>= 95 dB @Frequency 2.00e+9 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	>= 100 dB @Frequency 5.00e+8 Hz	>= 100 dB @Frequency 5.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12
	>= 110 dB @Frequency 1.00e+8 Hz	>= 110 dB @Frequency 1.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12

Descriptive Properties	Value	Comments
Binder	Fluoro-silicone	
EMP Survivability	>0.9 kA / in	MIL-DTL-83528 Para.4.6.16
Filler	Ag/Al	
Grade	Military-Aerospace	
Heat Aging	<0.015 ohm-cm	MIL-DTL-83528 Para.4.6.15
Type	D	MIL-DTL-83528
Vibration Resistance, After	<0.012 ohm-cm	MIL-DTL-83528 Para.4.6.13
Vibration Resistance, During	<0.015 ohm-cm	MIL-DTL-83528 Para.4.6.13

## Contact Songhan Plastic Technology Co.,Ltd.

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