

## Parker Chomerics CHO-SEAL 1285 Conductive Elastomer

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

### Material Notes:

Conductive Elastomer with Improved Corrosion Resistance. This conductive silicone elastomer features significantly improved corrosion resistance in salt spray environments over silver-plated copper-filled silicone, the dominant EMI gasket material for military/aerospace applications since 1962. Molded and Extruded Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SEAL-1285-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1285-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	58 - 72	58 - 72	ASTM D2240
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	100 - 300 %	100 - 300 %	ASTM D412
Tear Strength	5.25 kN/m	30.0 pli	ASTM D624
Compression Set	<= 32 % @Temperature 100 °C, Time 252000 sec	<= 32 % @Temperature 212 °F, Time 70.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.20 W/m-K @Pressure 2.07 MPa	15.3 BTU-in/hr-ft <sup>2</sup> -°F @Pressure 300 psi	ASTM D5470
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	Flex TR10; ASTM D1329

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0080 ohm-cm	0.0080 ohm-cm	without pressure-sensitive material; MIL-DTL-83528
	0.015 ohm-cm	0.015 ohm-cm	Post Tensile Set; MIL-DTL-83528
Shielding Effectiveness	>= 60 dB @Frequency 200000 Hz	>= 60 dB @Frequency 200000 Hz	H Field; MIL-DTL-83528 Para.4.6.12
	>= 100 dB	>= 100 dB	Plane Wave; MIL-DTL-83528

Electrical Properties	@Frequency 1.00e+10 Metric Hz	@Frequency 1.00e+10 English Hz	Para.4.6.12 Comments
	>= 105 dB  @Frequency 2.00e+9 Hz	>= 105 dB  @Frequency 2.00e+9 Hz	Plane Wave; MIL-DTL-83528 Para.4.6.12
	>= 110 dB  @Frequency 5.00e+8 Hz	>= 110 dB  @Frequency 5.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12
	>= 115 dB  @Frequency 1.00e+8 Hz	>= 115 dB  @Frequency 1.00e+8 Hz	E Field; MIL-DTL-83528 Para.4.6.12

Descriptive Properties	Value	Comments
Binder	Silicone	
EMP Survivability	>0.9 kA / in	
Filler	Ag/Al	
Grade	Military-Aerospace/B	
Heat Aging	<0.01 ohm-cm	MIL-DTL-83528 Para.4.6.15
Type	B	MIL-DTL-83528
Vibration Resistance, After	<0.008 ohm-cm	MIL-DTL-83528 Para.4.6.13
Vibration Resistance, During	<0.012 ohm-cm	MIL-DTL-83528 Para.4.6.13

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China