

## Parker Chomerics CHO-SEAL 1401 Conductive Elastomer

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

### Material Notes:

High performance for non-corrosive environments; soft(45 Shore A) for low closure force where gasket geometry cannot be exploited; low tear strength; no fluid resistance. Molded and ExtrudedRoHS CompliantInformation provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SEAL-1401-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1401-Conductive-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 - 1.85 g/cc	1.35 - 1.85 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	ASTM D2240
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	>= 75 %	>= 75 %	ASTM D412
Tear Strength	3.50 kN/m	20.0 pli	ASTM D624
Compression Set	<= 35 % @Temperature 100 °C, Time 252000 sec	<= 35 % @Temperature 212 °F, Time 70.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.900 W/m-K @Pressure 2.07 MPa	6.25 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	-55.0 °C	-67.0 °F	Flex TR10; ASTM D1329

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.010 ohm-cm	0.010 ohm-cm	as supplied without pressure sensitive adhesive; MIL-DTL-83528
	0.020 ohm-cm	0.020 ohm-cm	Post Tensile Set; MIL-DTL-83528 Para.4.6.9
Shielding Effectiveness	>= 60 dB @Frequency 200000 Hz	>= 60 dB @Frequency 200000 Hz	MIL-DTL-83528 Para.4.6.12
	>= 80 dB @Frequency 1.00e+10	>= 80 dB @Frequency 1.00e+10	MIL-DTL-83528 Para.4.6.12

Electrical Properties	Hz Metric	Hz English	Comments
	>= 90 dB	>= 90 dB	
	@Frequency 2.00e+9 Hz	@Frequency 2.00e+9 Hz	MIL-DTL-83528 Para.4.6.12
	>= 100 dB	>= 100 dB	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	MIL-DTL-83528 Para.4.6.12
	>= 100 dB	>= 100 dB	
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	MIL-DTL-83528 Para.4.6.12

Descriptive Properties	Value	Comments
Binder	Silicone	
EMP Survivability	>0.9 kA/in	MIL-DTL-83528 Para.4.6.16
Filler	Ag	
Heat Aging	<0.015 ohm-cm	MIL-DTL-83528 Para.4.6.15
Vibration Resistance, After	<0.01ohm-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.

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