

## Parker Chomerics CHO-SEAL 1485 Conductive Elastomer

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

### Material Notes:

Conductive Elastomer EMI/EMP Gaskets Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-CHO-SEAL-1485-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-1485-Conductive-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 - 1.95 g/cc	1.45 - 1.95 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	
Tensile Strength at Break	>= 1.24 MPa	>= 180 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Tear Strength	5.25 kN/m	30.0 pli	
Compression Set	30 %	30 %	70 hrs @ 100°C; ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.020 ohm-cm	0.020 ohm-cm	as supplied without pressure sensitive adhesive
Shielding Effectiveness	>= 50 dB	>= 50 dB	200 kHz (H Field); MIL-G-83528
	>= 80 dB	>= 80 dB	10 GHz (Plane Wave); MIL-G-83528
	>= 90 dB	>= 90 dB	2 GHz (Plane Wave); MIL-G-83528
	>= 100 dB	>= 100 dB	100 MHz (E Field); MIL-G-83528
	>= 100 dB	>= 100 dB	500 MHz (E Field); MIL-G-83528

Descriptive Properties	Value	Comments
Binder	Silicone	
EMP Survivability kA / in, min	0.3	

Descriptive Properties Filler	Value Ag/AI	Comments
Heat Aging ohm-cm max	0.06	
Vibration Resistance, After, ohm-cm max	0.02	
Vibration Resistance, During, ohm-cm max	0.06	

## Contact Songhan Plastic Technology Co.,Ltd.

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