

Parker Chomerics CHO-SEAL 1278 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-1278-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.75 - 4.25 g/cc	3.75 - 4.25 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70 - 80	70 - 80	
Tensile Strength at Break	>= 1.38 MPa	>= 200 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Tear Strength	5.34 kN/m	30.5 pli	
Compression Set	32 %	32 %	70 hrs @ 100°C; ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0050 ohm-cm	0.0050 ohm-cm	as supplied without pressure sensitive adhesive
	0.010 ohm-cm	0.010 ohm-cm	Post Tensile Set; MIL-G-83528
Shielding Effectiveness	>= 70 dB	>= 70 dB	200 kHz (H Field); MIL-G-83528
	>= 110 dB	>= 110 dB	10 GHz (Plane Wave); MIL-G-83528
	>= 115 dB	>= 115 dB	2 GHz (Plane Wave); MIL-G-83528
	>= 120 dB	>= 120 dB	100 MHz (E Field); MIL-G-83528
	>= 120 dB	>= 120 dB	500 MHz (E Field); MIL-G-83528

Descriptive Properties	Value	Comments
Binder	Silicone	

Descriptive Properties	Value	Comments
EMP Survivability kA/in, min	0.3	
Filler	Ag/Ni	
Heat Aging ohm-cm max	0.01	
Type (Ref. MIL-G-83528)	L	
Vibration Resistance, After, ohm-cm max	0.005	
Vibration Resistance, During, ohm-cm max	0.01	

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