

Parker Chomerics CHO-SEAL 1501 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-1501-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.45 - 2.95 g/cc	2.45 - 2.95 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	28 - 42	28 - 42	
Tensile Strength at Break	>= 0.552 MPa	>= 80.0 psi	ASTM D412
Tear Strength	3.50 kN/m	20.0 pli	
Compression Set	80 %	80 %	70 hrs @ 100°C; ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 - 200 °C	320 - 392 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.033 ohm-cm	0.033 ohm-cm	as supplied without pressure sensitive adhesive
Shielding Effectiveness	>= 60 dB	>= 60 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	
Filler	Ag	
Vibration Resistance, After, ohm-cm max	0.03	

Descriptive Properties	Value	Comments
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