

Parker Chomerics CHO-SEAL 1240 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-1240-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	75 - 85	75 - 85	
Tensile Strength at Break	>= 2.76 MPa	>= 400 psi	ASTM D412
Elongation at Break	>= 90 %	>= 90 %	ASTM D412
Tear Strength	10.5 kN/m	59.9 pli	
Compression Set	60 %	60 %	70 hrs @ 100°C; ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °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
	0.0060 ohm-cm	0.0060 ohm-cm	Post Tensile Set; MIL-G-83528
Shielding Effectiveness	>= 110 dB	>= 110 dB	2 GHz (Plane Wave); MIL-G-83528
	>= 110 dB	>= 110 dB	10 GHz (Plane Wave); MIL-G-83528
	>= 110 dB	>= 110 dB	100 MHz (E Field); MIL-G-83528
	>= 110 dB	>= 110 dB	500 MHz (E Field); MIL-G-83528

Descriptive Properties	Value	Comments
Binder	Silicone	
EMP Survivability kA / in, min	0.9	

Descriptive Properties Filter	Value Ag	Comments
Heat Aging ohm-cm max	0.008	
Type (Ref. MIL-G-83528)	H	
Vibration Resistance, After, ohm-cm max	0.005	
Vibration Resistance, During, ohm-cm max	0.006	

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