

Parker Chomerics CHO-SEAL® E6434E Conductive EPDM Elastomer

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Extruded Conductive EPDM Elastomer. This is an extruded conductive elastomer engineered for resistance to harsh chemicals, specifically those associated with decontaminates for military Nuclear, Biological, and Chemical requirements. These gaskets are available in continuous extruded profiles for EMI gasketing of large areas. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-SEAL-E6434E-Conductive-EPDM-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	>= 2.00 g/cc	>= 2.00 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73 - 87	73 - 87	ASTM D2240
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Tear Strength	12.26 kN/m	69.96 pli	
Compression Set	40 %	40 %	70 hrs @ 100°C; D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.050 ohm-cm	0.050 ohm-cm	as supplied (without psa); MIL-G-83528
Shielding Effectiveness	>= 90 dB	>= 90 dB	20MHz - 10GHz; MIL-G-83528

Descriptive Properties	Value	Comments
Binder	EPDM	
EMP Survivability kA / in, min	0.05	
Filler	Ag/Ni	
Grade	Military-Aerospace	
Heat Aging ohm-cm max	0.05	
Vibration Resistance, After, ohm-cm max		

Descriptive Properties	Value	Comments
Vibration Resistance, During, ohm-cm max	0.05	

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