



Smart Technology. Delivered.

Silver Aluminum Filled Fluorosilicone Elastomer



SILVER ALUMINUM FILLED FLUOROSILICONE ELASTOMER

EcE130 is a Silver-coated Aluminum filled fluorosilicone elastomer that meets the MIL-DTL 83528 Type D specifications. This unique passivated filler allows for improved corrosion resistance material can be Molded, Extruded, or formed into sheets and then Die Cut. See our catalog for standard shapes that might be available to test, or provide information about your needs for a custom profile.

FEATURES

- Utilizes both conductive and non-conductive materials
- Fluorosilicone Polymer base resin extends the temperature range and improves standard environmental resistance to include resistance to some chemicals, fuels, and lubricants
- Corrosion resistant for military and harsh environmental applications
- Retains strong EMI protection
- Cost-effective solution
- Able to extrude or mold in various standard sizes, standard shapes, and standard profiles without a tooling charge

MARKETS

- DataCom
- Military
- Medical

SPECIFICATIONS	TARGET SPECIFICATION
Color	Tan
Elastomer	Fluorosilicone
Filler	Silver Aluminum
Hardness	70 ± 7 Shore A
Volume Resistivity	0.010 ohm-cm, maximum
Density	2.0 ± 0.25 g/cm ³
Tensile Strength	200 psi, minimum
Elongation	60%-260%
100%-300%	35 ppi, minimum
Temperature Range	-55°C to 160°C
Corrosivity Per MIS-47057	<3.5mg MAX weight loss

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