



### SILVER/COPPER FILLED SILICONE ELASTOMER

EcE118 is a silver-coated, copper-filled, silicone elastomer. This 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
- Provides stronger environmental shielding to the outside of gaskets due to pure silicone
- Retains strong EMI protection
- Cost-effective solution
- Able to extrude in various sizes and profiles

#### MARKETS

- DataCom
- Military
- Medical

SPECIFICATIONS	TARGET SPECIFICATION
Color	Tan
Elastomer Type	Silicone
Filler Type	Silver Copper
Hardness	70 Shore A
Volume Resistivity - pressure probe	0.004 ohm-cm, maximum
Volume Resistivity - surface probe	0.004 ohm-cm, maximum
Compression Set	30% max
Tensile Strength	450 psi, minimum
Elongation	100%-300%
Tear Strength	55 ppi, minimum
Compression/Deflection	3.5%, minimum
Specific Gravity	3.3 g/cc
UL94 Flame Rating	V-0
Low Temperature Flexibility	TR70 at -55°C
Outgassing	0.06 max

USA: +1.866.928.8181  
Europe: +49.0.8031.2460.0  
Asia: +86.755.2714.1166

EMI-DS-ECE118 041715

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