

Silver/Aluminum Conductive Fluorosilicone Elastomer (MIL-DTL-83528 Type D)

Product Summary

This conductive fluorosilicone elastomer material is a unique composite of high quality fluorosilicone and silver plated aluminum (Ag/Al) microscopic particles.

Product Application

This conductive elastomer is a unique composite of high quality fluorosilicone and conductive silver plated aluminum microscopic particles, manufactured to strict formulations, yielding a gasketing material that meets commercial electronic requirements. The fluorosilicone material is a synthetic rubber useful in applications involving petroleum oils, fuels, and silicone oils, with the same operating temperature as silicone.

The surface that this material is to be applied must be conductive, meaning no non-conductive paint, oils, or coatings. If a non-conductive surface is present on the mating or mounting surface the conductive elastomer, shielding effectiveness will be greatly degraded.

Contact MAJR Products Corporation for product configurations and part numbers.

Product Technical Data

Electrical Specifications	Test Method	Ag/Al fluorosilicone Elastomer
Volume Resistivity	MIL-DTL-83528	(Ohm-cm)
DC	(PARA 4.5.11)	0.012
Shielding Effectiveness	MIL-DTL-83528	(Attenuation - dB)
20MHz – 10 GHz	(PARA 4.5.12)	>90

Properties (General Specifications for Silver plated Aluminum Fluorosilicone Elastomer)					
Hardness (Shore A)	Tensile (psi)	Elongation (%)	Color	Operating Temperature Deg. C (min. to max.)	Specific Gravity (g/cc)
70	180	60-260	Tan / Dark blue	-55 to +160	2.00

