Silver Copper Conductive Elastomer (Type G)

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The following is a relative measurement of the resistance and shielding effectiveness properties for silver / copper conductive elastomer, tested in accordance with the procedures and requirements outlined in United States military specification MIL-DTL-83528.

Electrical Specifications	Tolerance	Test Method	Silver Copper Elastomer (Ohm-cm)
Volume Resistivity	Maximum	MIL-DTL-83528 (PARA 4.6.11)	0.007
Shielding Effectiveness (Frequencies)	Minimum	MIL-DTL-83528	**Silver Copper Elastomer (dB)**
100 MHz (E-Field)	Minimum	MIL-DTL-83528	>110
500 MHz (E-Field)	Minimum	MIL-DTL-83528	>110
2 GHz (Plane Wave)	Minimum	MIL-DTL-83528	>110
10 GHz (Plane Wave)	Minimum	MIL-DTL-83528	>110

Properties (General Specifications for Silver Copper Elastomer)					
Hardness (Shore A)	**Tensile (psi)**	**Elongation (min.)**	**Tear (lb./in)**	**Volume Resistivity (ohm-cm)**	**Specific Gravity (g/cc)**
80	600	20	70	0.007	4.75

Some properties of this material were tested to the MIL-DTL 83528 specification but this material is not designated as a MIL-DTL 83528 type material.

Application: The surface that this material is to be applied to 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.

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