



## OHMERICS Compound# S1103

### Silver Plated Nickel Filled Silicone EMI RFI Shielding Conductive Elastomer

This compound provides good electronic shielding over a broad range of frequencies. This material is commonly use in commercial and military applications. Please contact [engineering@marcorubber.com](mailto:engineering@marcorubber.com) for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

#### Features:

- Good Shielding effectiveness
- Ideal for use in Commercial applications
- Wide Choice of profiles to fit large range of applications

#### Limitations:

- Moderate Physical properties
- Poor Abrasion resistance

#### TYPICAL PHYSICAL PROPERTIES

Specification	MIL-DTL 83528 Type L	
Elastomer Binder	Silicone	
Conductive Filler	Silver Plated Nickel	
Color	Tan	
<b>ORIGINAL PROPERTIES</b>	<b>Test Procedure</b>	<b>Typical Value</b>
Durometer, Shore A	ASTM D2240	75
Tensile Strength, psi	ASTM D412	30
Ultimate Elongation, Min	ASTM D412	100
Specific Gravity, ASTM D297	ASTM D792	4.0
Compression Set, %	ASTM D395	32
Compression/Deflection %	ASTM D575	3.5
Tear Strength, lbs/in	ASTM D624	30
Operating Temperature Range °C	ASTM D1329	-55 to +125
<b>Volume Resistivity, Ohm-cm</b>	MIL-DTL 83528	.005
<b>Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db</b>	MIL-DTL 83528	
100 MHz		120
500 MHz		120
2 GHz		120
10 GHz		110

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.