



## OHMERICS Compound# S1106

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

This compound provides good shielding effectiveness over a wide range of frequencies. This material is used commonly in commercial type 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:

- Compound provides cost effective and reliable shielding
- Can provide excellent moisture sealing
- Compound can be manufactured in molded sheets, molded shapes and extruded shapes
- Wide choice of profiles to fit a wide range of applications

#### Limitations:

- Should not be used where shock and vibration is present
- Poor abrasion resistance
- Should not be used in military applications

#### TYPICAL PHYSICAL PROPERTIES

Typical Use or Specification	Commercial and Military	
Elastomer Binder	Silicone	
Conductive Filler	Silver Plated Glass	
Color	Tan	
<b>ORIGINAL PROPERTIES</b>	<b>Test Procedure</b>	<b>Typical Value</b>
Durometer, Shore A	ASTM D2240	65
Tensile Strength, Min., psi	ASTM D412	150
Ultimate Elongation, Min., %	ASTM D412	75
Specific Gravity, ASTM D297	ASTM D792	1.85
Compression Set, % (70 hrs. @ 100°C)	ASTM D395	30
Compression/Deflection %	ASTM D575	3.5
Tear Strength, Min., lbs/in	ASTM D624	30
Operating Temperature Range °C	ASTM D1329	-55 to +150
<b>Volume Resistivity, Ohm-cm</b>	MII-DTL 83528	0.01
<b>Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db</b>	MII-DTL 83528	50 to 100

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.