



## OHMERICS Compound# S1160

### Nickel Graphite Filled Silicone Sponge EMI Shielding Conductive Elastomer

This material will provide very good EMI Shielding in a wide range of applications. This material can be used in projects including commercial and military applications. This gasket provides excellent shielding and corrosion control properties combined with good mechanical properties.

#### Features:

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

#### Benefits:

- Good adhesion to most metal surfaces
- Typical gasket height 1.0mm to 2.0mm
- Wide range compression between 10% and 50%

#### TYPICAL PHYSICAL PROPERTIES

Specification	Military/Commercial	
Elastomer Binder	Silicone Sponge	
Conductive Filler	Nickel Graphite	
Color	Dark Grey	
<b>ORIGINAL PROPERTIES</b>	<b>Test Procedure</b>	<b>Typical Value</b>
Durometer, Shore A	ASTM D2240	Medium Density
Tensile Strength, psi, Min	ASTM D412	360
Ultimate Elongation	ASTM D412	100/500
Specific Gravity, ASTM D297	ASTM D792	1.77
Compression Set, %	ASTM D395	
Compression/Deflection %	ASTM D575	
Tear Strength, lbs/in	ASTM D624	80
Operating Temperature Range °C	ASTM D1329	-55 to +125
<b>Volume Resistivity, Ohm-cm</b>	Mil-DTL 83528	3.75
<b>Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db</b>	Mil-DTL 83528	
100 MHz		50
500 MHz		50
2 GHz		60
10 GHz		60

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.