



## OHMERICS Compound# F1015

### Nickel Plated Graphite Filled Fluorosilicone EMI RFI Shielding Conductive Elastomer

This compound provides good electronic over a wide range of frequencies. This compound is to be used in military applications for flight line type equipment where jet fuels and fuel oils are present. 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
- Good corrosion resistance
- Very good for use where equipment will be in the presence of jet fuels

#### Limitations:

- Not recommended where mechanical strength and low temperatures are required
- Should not be used around brake fluids, ketones, hydrazine, aldehydes, amines

#### TYPICAL PHYSICAL PROPERTIES

Typical Use or Specification	Commercial and Military	
Elastomer Binder	Fluorosilicone	
Conductive Filler	Nickel Plated Graphite	
Color	Dark Gray	
<b>ORIGINAL PROPERTIES</b>	<b>Test Procedure</b>	<b>Typical Value</b>
Durometer, Shore A	ASTM D2240	65 +/- 7
Tensile Strength, Min., psi	ASTM D412	200
Ultimate Elongation, Min., %	ASTM D412	100
Specific Gravity, ASTM D297	ASTM D792	2.2
Compression Set, % (70 hrs. @ 100°C)	ASTM D395	30
Compression/Deflection %	ASTM D575	3.0
Tear Strength, Min., lbs/in	ASTM D624	40
Operating Temperature Range °C	ASTM D1329	-55 to + 150
<b>Volume Resistivity, Ohm-cm</b>	MII-DTL 83528	0.1
<b>Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db</b>	MII-DTL 83528	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.