



OHMERICS Compound# F1016

Silver Aluminum Filled Fluorosilicone EMI RFI Shielding Conductive Elastomer

This compound was primarily developed for use in military applications. This material will provide excellent shielding in a harsh environment. Please contact sales@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:

- Provides high shielding effectiveness
- Excellent in a harsh corrosive environment
- Recommended for ship board and flight line applications

Limitations:

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

TYPICAL PHYSICAL PROPERTIES

Typical Use or Specification	Commercial and MIL-DTL-83528 Type D	
Elastomer Binder	Fluorosilicone	
Conductive Filler	Silver plated Aluminum	
Color	Blue/Tan	
ORIGINAL PROPERTIES	Test Procedure	Typical Value
Durometer, Shore A	ASTM D2240	70
Tensile Strength, Min., psi	ASTM D412	180
Ultimate Elongation, Min., %	ASTM D412	60
Specific Gravity, ASTM D297	ASTM D792	2.0
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 +160
Volume Resistivity, Ohm-cm	Mil-DTL 83528	0.012
Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db	Mil-DTL 83528	115 to 120

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.