



OHMERICS Compound# F1021

Silver Plated Aluminum Filled Fluorosilicone EMI RFI Shielding Conductive Elastomer

Designed to achieve maximum electrical conductivity. This compound provides high shielding effectiveness with minimum galvanic corrosion. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:

- Compound can be used in severe environments
- Excellent material to be used on shipboard or aircraft applications
- This material provides excellent moisture seal.

Limitations:

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

Service Temperature:

-55 to +160°C

PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	Typical Value
Specification	MIL-DTL-83528 Type D
Elastomer Binder	Fluorosilicone
Conductive Filler	Silver Plated Aluminum
Color	Blue

ORIGINAL PROPERTIES	Test Procedure	Typical Value
Durometer, Shore A	ASTM D2240	70
Tensile Strength, Min., psi	ASTM D412	180
Ultimate Elongation, %	ASTM D412	260
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	35

SHIELDING PROPERTIES	Test Procedure	Typical Value
Volume Resistivity, Ohm-cm	MIL-DTL 83528	0.012
Shielding Effectiveness, 100 MHz-10 GHz (E-field) dB	ASTM D4935	60 to 115

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.