



OHMERICS Compound# S1104

Carbon Filled Silicone EMI RFI Shielding Conductive Elastomer

Marco compound S1104 is a gasket material primarily used in ESD applications or low frequency shielding applications. This material is not to be used in an application where the gasket is coupled with aluminum housing in a salt air environment as corrosion will occur. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:

- Used in ESD protection
- Used in low frequency shielding applications
- High Tensile Strength

Limitations:

- Not to be used in Salt Air Environments
- Susceptible to Corrosion
- Fluid Resistance

TYPICAL PHYSICAL PROPERTIES

Specification	Commercial Grade	
Elastomer Binder	Silicone	
Conductive Filler	Carbon	
Color	Black	
ORIGINAL PROPERTIES	Test Procedure	Typical Value
Durometer, Shore A	ASTM D2240	70
Tensile Strength, psi	ASTM D412	450
Ultimate Elongation	ASTM D412	100
Specific Gravity, ASTM D297	ASTM D792	1.3
Compression Set, %	ASTM D395	40
Compression/Deflection %	ASTM D575	3
Tear Strength, lbs/in	ASTM D624	40
Operating Temperature Range °C		-55 to +200
Volume Resistivity, Ohm-cm	Mil-DTL 83528	4.0 to 8.0
Shielding Effectiveness, ASTM D4935, 100 MHz-10 GHz (E-field) db	Mil-DTL 83528	
100 MHz		>50
500 MHz		>50
2 GHz		>50
10 GHz		>50

Date: 2016-1-14

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.