Request a Quote

(800) 775-6525 Fax: (800) 421-2923
engineering@marcorubber.com
www.marcorubber.com

ΩHMERICS Compound# S1140

Carbon Filled Silicone EMI RFI Shielding Conductive Elastomer

This gasket material is 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. 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	60 +/- 5
Tensile Strength, psi	ASTM D412	886
Ultimate Elongation	ASTM D412	385
Specific Gravity, ASTM D297	ASTM D792	1.18
Compression Set, %	ASTM D395	52
Compression/Deflection %	ASTM D575	3
Tear Strength, lbs/in	ASTM D624	51
Operating Temperature Range ^{o}C	ASTM D1329	-55 to +160
Volume Resistivity, Ohm-cm	Mil-DTL 83528	3.0 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