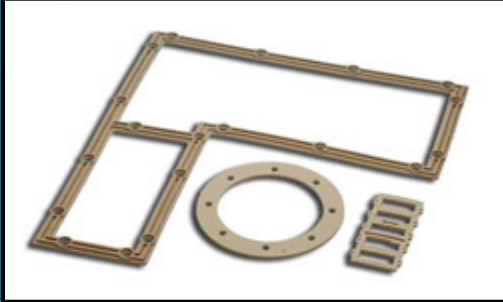




# STOCKWELL ELASTOMERICS

MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

**Product: EMI Gasket**



**Related Web Page:**  
<http://www.stockwell.com/emi-gaskets.php>

**Stockwell Value Proposition:**

**Design & Engineering** - staff engineers comprehend design challenges and are available to help select materials and manufacturing processes that best fit your application needs.

**Material Solutions** - Stockwell Elastomerics has strategically partnered with industry leaders such as Rogers Corp., St. Gobain, 3M, Wacker Silicones and Momentive Silicones to ensure the highest quality materials are used. Stockwell Elastomerics has a comprehensive inventory of engineered materials designed and manufactured to meet requirements of the most demanding gasketing applications.

**Pre-Production through Manufacturing** - combining in-house CNC die cutting, waterjet cutting, injection molding, compression molding and adhesive lamination with comprehensive inventory; Stockwell Elastomerics can fulfill fast-turn prototyping, pre-production and full production requirements.

## SCF-444

**Compound:** 45 Durometer Conductive Fluorosilicone Rubber with Silver Plated Aluminum Filler

**Product Description:**

SCF-444, is a fluorosilicone polymer with silver plated aluminum particle fill for low electrical resistance with excellent shielding and grounding properties. SCF-444 is widely used for defense and aerospace EMI applications where high conductivity and chemical resistance is needed.

Stockwell Elastomerics offers pre-production and full production parts made from SCF-444; including waterjet cutting, die cutting or molding. 3M conductive adhesive backing is also available for cut parts and select molded parts.

Property	Typical Value
<b>Durometer</b> , Shore "A", (+/- 5)	45
<b>Volume Resistivity</b> , ohm-cm	0.004
<b>Tensile Strength</b> , minimum, psi	150
<b>Elongation</b> , min %	300
<b>Compression Set</b> , % (30 max)	21% (70hrs @ 100°C)
<b>Temperature Low</b> , °C (°F)	-60 (-76)
<b>Temperature High</b> , °C (°F)	220 (428)
<b>Specific Gravity</b>	2.08
<b>Color</b>	Tan
<b>Mil-G-83528</b>	N/A
<b>Available Configurations</b>	<ul style="list-style-type: none"> <li>• Sheets</li> <li>• Cut Parts (Waterjet/Die Cut)</li> <li>• Molded Parts</li> <li>• Conductive Adhesive Backed</li> </ul>

\*Additional data available upon request