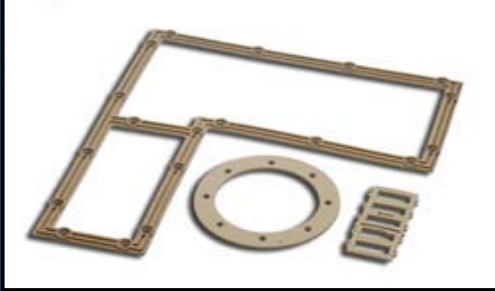




STOCKWELL ELASTOMERICS

MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

Product: EMI Gasket Materials



Related Web Page:

<https://www.stockwell.com/emi-gaskets/>

Stockwell Value Proposition:

Design & Engineering

Staff engineers comprehend design challenges and are available to help select materials and manufacturing processes that best fit specific application needs.

Material Solutions

Stockwell Elastomerics has strategically partnered with industry leaders such as Rogers Corp., Saint-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
Durometer , Shore "A", (+/- 5)	45
Volume Resistivity , ohm-cm	0.004
Tensile Strength , minimum, psi	150
Elongation , min %	300
Compression Set , % (30 max)	21% (70hrs @ 100°C)
Temperature Low , °C (°F)	-60 (-76)
Temperature High , °C (°F)	220 (428)
Specific Gravity	2.08
Color	Tan
Mil-G-83528	N/A
Available Configurations	<ul style="list-style-type: none">• Sheets• Cut Parts (Waterjet/Die Cut)• Molded Parts• Conductive Adhesive Backed