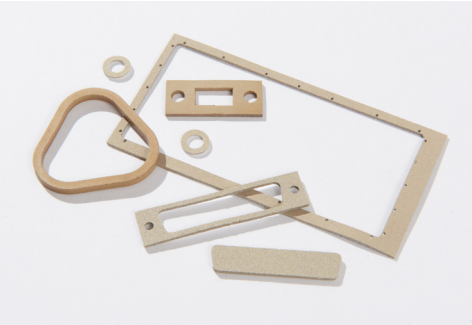
Stockwell ELASTOMERICS

TECHNICAL DATA SHEET

SCF-444



SCF-444 | 45 Durometer Conductive Fluorosilicone Rubber with Silver-Plated Aluminum Filler

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.

SCF-444 Details

Property	Typical Value
Durometer, Shore "A", (+/- 5)	45
Volume Resistivity, ohm-cm	0.002
Tensile Strength, minimum, psi	150
Elongation at break (%), minimum	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

Additional Specifications

- Available Colors: Tan
- Available Configurations: Sheets, Cut Parts (Waterjet, Die Cut), Conductive Adhesive Backed, Molded Parts
- MIL-DTL-83528 Not Applicable

Scan To Learn More:

MANUFACTURED IN THE UNITED STATES

Stockwell Elastomerics, Inc.
4749 Tolbut St. Philadelphia, PA 19136-1512 USA
800.523.0123 | 215.335.3005

100% Employee Owned
AS9100 | ISO9001 Certified
www.stockwell.com | service@stockwell.com