



Stockwell
ELASTOMERICS

TECHNICAL DATA SHEET

SCF-447



SCF-447 | 70 Durometer Conductive Fluorosilicone Rubber with Silver-Plated Aluminum Filler

SCF-447 is a firm fluorosilicone polymer with silver-plated aluminum particle fill for low electrical resistance with excellent shielding and grounding properties. SCF-447 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-447 including waterjet cutting, die cutting or molding. 3M conductive adhesive backing is also available for cut parts and select molded parts.

SCF-447 Details

Property	Typical Value
Durometer, Shore "A", (+/- 7)	70
Volume Resistivity, ohm-cm	0.005
Tensile Strength, minimum, psi	330
Elongation at break (%)	245
Compression Set, % (30 max)	29% (70hrs @ 100°C)
Temperature Low, °C (°F)	-60 (-76)
Temperature High, °C (°F)	220 (428)
Specific Gravity	2.10

Additional Specifications

- Available Colors: Tan
- Available Configurations: Sheets, Cut Parts (Waterjet, Die Cut), Conductive Adhesive Backed, Molded Parts
- MIL-DTL-83528 Type D

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