CONDUCTIVE ELASTOMER 5751

A 65 durometer (Shore A), electrically-conductive fluorosilicone

Conductive fluorosilicone elastomer is a 65 durometer (Shore A), electrically-conductive fluorosilicone compound that is filled with silver-plated aluminum particles and comparable for conductive elastomer gaskets.

MIL-DTL-83528 TYPE D

Conductive fluorosilicone elastomer is designed to meet the requirements of MIL-DTL-83528 Type D for a silver-plated, aluminum filled fluorosilicone capable of 90 dB of plane wave shielding effectiveness at 10 GHz, with a continuous use temperature range of-55 °C to +160 °C, and resistant to solvents and jet fuels.

TECHNICAL SPECIFICATIONS

The data below was generated using ASTM test method and procedures. 5751- Conductive fluorosilicone elastomer was designed to meet the requirements outlined in the MIL-G-83528C specifications.

Shore A	65
Tensile psi (150 minimum)	185 psi
Elongation % (300 minimum)	350%
Compression Set % (30 max.)	21% (70 hours at 100 °C)
Tear "B" ppi (report)	
Specific Gravity (1.75 – 2.25)	2.08
Volume Resistivity ohm / cm (0.004 max.)	.002 ohm /cm
Color	Tan
Thermal Stability Range	-60 °C- 220 °C
Thermal Conductivity	-

ORDER EXAMPLE

Part number		Width (mm)		Length (mm)
5751	–		–	
5751 : Conductive fluorosilicone elastomer		Specify the width of the sheet in mm		Specify the width of the sheet in mm