

Conductive elastomer 5751



Conductive fluorosilicone elastomer is a 65 durometer (Shore A), electrically-conductive fluorosilicone compound that is filled with silver-plated aluminium 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, aluminium 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

*Notice

Information supplied in these data sheets is based on independent and laboratory tests which Holland Shielding Systems BV, hereafter referred to as HSS believes to be reliable. HSS has no control over the design of customer's product which incorporates products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

The product described in this data sheet shall be of standard quality, however the products are sold without warranty of fitness for a particular purpose, either expressed or implied, except to the extent expressly stated on HSS invoice, quotation or order acknowledgment. HSS does not warrant that products described in this data sheet will be free of conflict with existing or future patents of third parties. All risks of lack of fitness, patent infringement and the like are assumed by the user.