



Overview

SI65TN11 is a 65 shore A, silver plated copper filled conductive silicone offering excellent EMI & RFI shielding performance at a competitive price.

SI65TN11 has a service temperature range of -45°C to 125°C and withstands short excursions outside that range.

Features & Benefits

- Excellent EMI & RFI shielding
- Military spec MIL-DTL-83528

Limitations

- Experiences corrosion in salt mist
- Not for use in brake fluid or NBC washdown systems
- Low resistance to abrasion

Service Temperature

- -45°C to 125°C (-49°F to 257°F)

Specification

- MIL-DTL-83528 Type A

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)



* Color may vary from image shown.

Test Data

Table 1. Physical Properties

Color	Tan
Hardness, Shore A	65
Tensile Strength, psi (MPa)	200 (1.37)
Elongation	100%
Specific Gravity, g/cm ³	3.5
Min Tear Strength, psi (MPa)	25 (0.17)
Volume Resistivity, Ohm-cm	0.004

Table 2. Compression Set

70hrs at 100°C	30%
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Table 3. Shielding Effectiveness

200 KHz, dB (MIL-DTL83528C)	70
100 MHz, dB (MIL-DTL83528C)	120
500 MHz, dB (MIL-DTL83528C)	120
2 GHz, dB (MIL-DTL83528C)	120
10 GHz, dB (MIL-DTL83528C)	120

Table 4. Electrical Stability

Resistance Post Heat Aging, Ohm-cm	0.010
Resistance Under Vibration, Ohm-cm	0.006
Resistance Under EMC, Ohm-cm	0.010

