



Overview

SI65BU57 is a 65 shore A, silver plated aluminum filled conductive silicone offering excellent EMI & RFI shielding performance at a competitive price.

SI65BU57 has a service temperature range of -55°C to 160°C and withstands short excursions outside that range.

Features & Benefits

- Excellent EMI & RFI shielding
- Military spec MIL-DTL-83528 Type B
- Salt air environment resistant

Limitations

- Low resistance to abrasion
- Not for use in brake fluid or NBC washdown systems

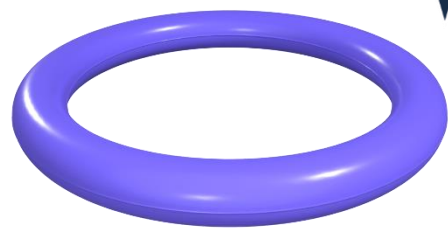
Service Temperature

- -55°C to 160°C (-67°F to 320F)

Specification

- MIL-DTL-83528 Type B

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	Blue
Hardness, Shore A	65
Tensile Strength, psi (MPa)	278 (1.92)
Elongation	220%
Specific Gravity, g/cm ³	2.1
Min Tear Strength, psi (MPa)	53 (0.37)
Volume Resistivity, Ohm-cm	0.008

Table 2. Compression Set

70hrs at 100°C	13%
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Table 3. Shielding Effectiveness

200 KHz, dB (MIL-DTL83528C)	70
100 MHz, dB (MIL-DTL83528C)	125
500 MHz, dB (MIL-DTL83528C)	123
2 GHz, dB (MIL-DTL83528C)	123
10 GHz, dB (MIL-DTL83528C)	122

Table 4. Electrical Stability

Resistance Post Heat Aging, Ohm-cm	0.010
Resistance Under Vibration, Ohm-cm	0.012
Resistance Under EMC, Ohm-cm	0.010

