

Overview

SI60BK15 is a 60 shore A, carbon filled conductive silicone offering electrostatic discharge resistance and low frequency shielding performance at a competitive price.

SI60BK15 has a service temperature range of -55°C to 160°C and withstands short excursions outside that range.

Features & Benefits

- Frequently used in electrostatic discharge (ESD) applications
- Low frequency shielding

Limitations

- Experiences corrosion in salt mist
- Low resistance to abrasion

Service Temperature

- -55°C to 160°C (-67°F to 320F)

Specification

- Tested per MIL-DTL-83528



Test Data

Table 1. Physical Properties

Color	Black
Hardness, Shore A	60
Tensile Strength, psi (MPa)	943 (6.5)
Elongation	400%
Specific Gravity, g/cm ³	1.18
Tear Strength, psi (MPa)	52 (0.36)
Volume Resistivity, Ohm-cm	3.0 to 8.0

Table 2. Shielding Effectiveness

100 MHz, dB (MIL-DTL83528C)	50 min
500 MHz, dB (MIL-DTL83528C)	50 min
2 GHz, dB (MIL-DTL83528C)	50 min
10 GHz, dB (MIL-DTL83528C)	50 min

SI60BK15 is now available on the Canyon Components [online store](#).

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