



Overview

FS75BU51 is Canyon's 75 shore A durometer, blue, CanGuard Fluorosilicone. Designed specifically for shielding applications, FS75BU51 is filled with silver plated aluminum. It's manufactured per MIL-DTL-83528 Type D.

Features & Benefits

- Good flexibility and compression set resistance.
- Excellent resistance to aging, weather and ultraviolet light.
- Excellent resistance to fuels, oils and other wide range of chemicals

Service Temperature

- -55°C to 160°C (-67°F to 320°F)

Specification

- MIL-DTL-83528 Type D

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Blue	Blue
Hardness, Shore A	75+/-5	73
Tensile Strength, psi (MPa)	180 min	327 (2.25)
Elongation	60% to 260%	192%
Specific Gravity, g/cm ³		2.2



* Color may vary from image shown.

Test Data

Table 2. Compression Set - 70 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	30 max	21

Table 3. Compression Deflection

Test (Change)	Requirements	Results
Deflection, %	3.5 min	13.2

Table 4. Tear Strength

Test (Change)	Requirements	Results
Tear Strength, lb/in	35 min	65

Table 5. Electrical Properties

Test (Change)	Requirements	Results
Volume Resistivity	0.012 max	0.0035

Table 6. Shielding Effectiveness

Test (Change)	Procedure	Results
200 KHz, dB	MIL-DTL-83528	111
100 MHz, dB	MIL-DTL-83528	120
500 MHz, dB	MIL-DTL-83528	120
2 GHz, dB	MIL-DTL-83528	123
10 GHz, dB	MIL-DTL-83528	120

