



Overview

FS75TN60 is Canyon's 75 shore A durometer, Tan, CanGuard Fluorosilicone. Designed specifically for shielding applications, FS75TN60 is filled with silver plated nickel. It's manufactured per MIL-DTL-83528 Type C.

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

- -50°C to 160°C (-58°F to 320°F)

Specification

- MIL-DTL-83528 Type C

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Tan	Tan
Hardness, Shore A	75+/-7	72
Tensile Strength, psi (MPa)	300 min	350 (2.41)
Elongation	100% to 300%	220%
Specific Gravity, g/cm ³		4



* Color may vary from image shown.

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	19

Table 3. Compression Deflection

Test (Change)	Requirements	Results
Deflection, %	3 min	10

Table 4. Tear Strength

Test (Change)	Requirements	Results
Tear Strength, lb/in	50 min	65

Table 5. Electrical Properties

Test (Change)	Requirements	Results
Volume Resistivity	-	0.008

Table 6. Shielding Effectiveness

Test (Change)	Procedure	Results
200 KHz, dB	MIL-DTL-83528	75
100 MHz, dB	MIL-DTL-83528	110
500 MHz, dB	MIL-DTL-83528	110
2 GHz, dB	MIL-DTL-83528	105
10 GHz, dB	MIL-DTL-83528	100

