



Overview

FS60BU00 is Canyon's 60 shore A durometer, blue Fluorosilicone. It's manufactured per MIL-DTL-25988, AMS-R-25988, MIL-R-25988 Class 1, Type 1 & 2, grade 60.

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

- -73°C to 177°C (-100°F to 350°F)

Specification

- ASTM D2000 FK606
- MIL-DTL-25988

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Blue	Blue
Hardness, Shore A	60+/-5	60
Tensile Strength, psi (MPa)	900 min	1025 (7.07)
Elongation	175% min	260%
Specific Gravity, g/cm ³		1.5



Table 2. Heat Aging – 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10/-10	+3
Tensile Strength, %	-25 max	-15
Elongation, %	-25 max	-11
Weight Loss, %	-2 max	-0.2

Table 3. Compression Set – 22 hrs at 175°C

Test (Change)	Requirements	Results
Permanent Set, %	40 max	11

Table 4. Compression Set – 70 hrs at 23°C

Test (Change)	Requirements	Results
Permanent Set, %	15 max	5.6

Table 5. AMS 3021 Oil – 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15/+15	-9
Tensile Strength, %	-45 max	-30
Elongation, %	-30 max	-7
Volume, %	+1 to +25	+10

Table 6. TT-S-735, Type III – 22 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-20 max	-9
Tensile Strength, %	-50 max	-12
Elongation, %	-40 max	-13
Volume, %	+1 to +25	+18