

Overview

FS50BU00 is Canyon's 50 shore A durometer, blue Fluorosilicone. It's manufactured to be a general purpose, low hardness Fluorosilicone. Compare to Parker® LM151-50 and 11645.

Features & Benefits

- Low hardness.
- 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
- Meets MIL-R-25988 Cl I, Typ II

Service Temperature

- -73°C to 177°C (-100°F to 350F)

Specification

- ASTM D2000 M2FK506 A19 EF31 EO36 F19

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Blue	Blue
Hardness, Shore A	50+/-5	51
Tensile Strength, psi (MPa)	895 min (8)	1160
Elongation	200% min	430%
Specific Gravity, g/cm ³		1.31

The information provided in this data sheet is based on test results and our combined expertise. This data sheet is intended to serve only as a reference and is not considered a guarantee.



Table 2. A19 – Heat Aging – 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+2
Tensile Strength, %	-45 max	-19
Elongation, %	-45 max	-14

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

Test (Change)	Requirements	Results
Permanent Set, %	N/A	10

Table 4. EF31 – Reference Fuel C – 70 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to 0	-5
Tensile Strength, %	-60 max	-34
Elongation, %	-50 max	-38
Volume, %	0 to +25	+19

Table 5. EO36 – ASTM 3 Oil – 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to 0	-5
Tensile Strength, %	-35 max	-10
Elongation, %	-30 max	-11
Volume, %	0 to +10	+2

FS50BU00 is now available on the Canyon Components online store.

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