



Overview

FS40BU00 is Canyon's 40 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

Service Temperature

- -73°C to 177°C (-100°F to 350F)

Specification

- ASTM D2000 M2FK406 A19 EF31 E036

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Blue	Blue
Hardness, Shore A	40+/-5	39
Tensile Strength, psi (MPa)	870 min	1189 (8.2)
Elongation	150% min	450%
Specific Gravity, g/cm ³		1.44

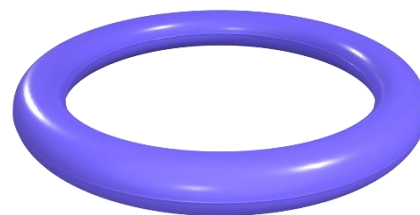


Table 2. A19 – Heat Aging – 70 hrs at 200°C		
Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+1
Tensile Strength, %	-45 max	-22
Elongation, %	-45 max	-22

Table 3. Compression Set – 22 hrs at 175°C		
Test (Change)	Requirements	Results
Permanent Set, %	N/A	9

Table 5. EF31 – Reference Fuel C – 70 hrs at 23°C		
Test (Change)	Requirements	Results
Hardness, Shore A	-15 to 0	-5
Tensile Strength, %	-60 max	-20
Elongation, %	-50 max	-14
Volume, %	0 to +25	+19

Table 6. E036 – ASTM 3 Oil – 70 hrs at 150°C		
Test (Change)	Requirements	Results
Hardness, Shore A	-10 to 0	-4
Tensile Strength, %	-35 max	-15
Elongation, %	-30 max	-24
Volume, %	0 to +10	+4

FS40BU00 is now available on the Canyon Components online store.

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