



Overview

VT70BU09 is Canyon's 3A sanitary, metal detectable, FDA compliant, 70 shore A durometer, blue FKM Type A. This material is designed for use in food manufacturing. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP.

Features & Benefits

- 3A Sanitary 18-03 I, II, III, IV
- Metal Detectable
- FDA Compliant CFR 21 177.2600
- Great heat resistance & high temp stability
- Excellent chemical resistance
- Excellent resistance to weathering and aging

Service Temperature

- -26°C to 225°C (-15°F to 437°F)

Specification

- ASTM D2000 4HK715 A1-10 A1-11 B38 EF31 E088

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Blue	Blue
Hardness, Shore A	70+/-5	72
Tensile Strength, psi (MPa)	1450 min	1958 (13.5)
Elongation	175% min	290%



Table 2. A1-10 - Heat Aging - 70 hrs at 250°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	-10
Elongation, %	-25 max	-10

Table 3. B38 - Compression Set - 22 hrs at 200°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	17

Table 4. EF31 - Fuel C Resistance - 70 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	0
Tensile Strength, %	-25 max	-13
Elongation, %	-20 max	-2
Volume, %	0 to +10	+3

Table 5. E088 - Fluid 101 Resistance - 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-10
Tensile Strength, %	-40 max	-30
Elongation, %	-20 max	-10
Volume, %	+25 max	+13

VT70BU09 is now available on the Canyon Components [online store!](#)