



Overview

VT70BK01 is Canyon's FDA Compliant, 70 shore A durometer, black FKM Type A. This is an extremely popular, cost-effective material. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP.

Features & Benefits

- 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 M2HK710 A1-10 B37 EF31 F15

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	1450 min	1711 (11.8)
Elongation	175% min	250%



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	-25 max	-2
Elongation, %	-25 max	-5

Table 3. B38 - Compression Set - 22 hrs at 175°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	6

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-3
Tensile Strength, %	-25 max	-19
Elongation, %	-20 max	-17
Volume, %	-0 to +10	+5

Table 5. F15 - Low Temp Brittleness Test - 3 mins at -25°C

Test (Change)	Requirements	Results
Brittleness	Non-Brittle	Non-Brittle

VT70BK01 is now available on the Canyon Components [online store!](#)

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