



Overview

VT70BK04 is Canyon's metal detectable, FDA compliant, 70 shore A durometer, black 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

- 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 M2HK707 A1-10 B38 EF31 E078

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	1015 min	1914 (13.2)
Elongation	175% min	280%

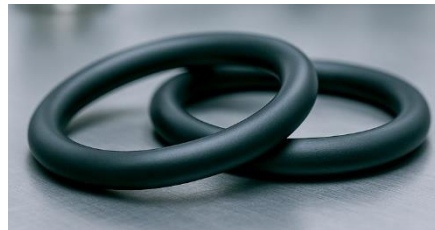


Table 2. A1-10 - Heat Aging - 70 hrs at 250°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	-20
Elongation, %	-25 max	-15

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

Test (Change)	Requirements	Results
Permanent Set, %	50 max	15

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	+4
Tensile Strength, %	-25 max	-10
Elongation, %	-20 max	-6
Volume, %	-0 to +10	+3

Table 5. E078 - Fluid 101 Resistance - 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-3
Tensile Strength, %	-40 max	-10
Elongation, %	-20 max	-2
Volume, %	0 to +15	+14

VT70BK04 is now available on the Canyon Components [online store!](#)