

Overview

VT70BK21 is Canyon's FDA compliant, 70 shore A durometer, black FKM Type GF with improved chemical resistance. Other FKM types are 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
- Improved resistance to steam, acids, aromatic hydrocarbons, & more
- Excellent resistance to weathering and aging

Service Temperature

- -16°C to 225°C (3°F to 437F)

Specification

- ASTM D2000 M2HK710 A1-10 B38 EF31 E078 F16

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	1450 min	2320 (16)
Elongation	175% min	230%



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 200°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	13

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-1
Tensile Strength, %	-25 max	-12
Elongation, %	-20 max	-2
Volume, %	0 to +10	+1

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

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-7
Tensile Strength, %	-40 max	-22
Elongation, %	-20 max	-12
Volume, %	0 to +15	+8

VT70BK21 is now available on the Canyon Components [online store](#)!