



## 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 437°F)

## 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!](#)