



## Overview

VT50BK00 is Canyon's standard 50 shore A durometer, black FKM Type A. This is an extremely soft, cost-effective commodity FKM material. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP.

## Features & Benefits

- Great heat resistance & high temp stability
- Low durometer
- Excellent chemical resistance
- Excellent resistance to weathering and aging

## Service Temperature

- -26°C to 225°C (-15°F to 437F)

## Specification

- ASTM D2000 M2HK607 A1-10 B37 EF31 Z1 (50 Shore A Durometer)

## Test Data

**Table 1. Physical Properties**

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	50+/-5 (Z1)	52
Tensile Strength, psi (MPa)	1015 min	1189 (8.2)
Elongation	200% min	450%
Modulus @ 100%, psi (MPa)		350 (2.4)

General Purpose

Low Hardness



**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	+1
Elongation, %	-25 max	-7

**Table 3. B37 - Compression Set - 22 hrs at 175°C**

Test (Change)	Requirements	Results
Permanent Set, %	50 max	9

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-5
Tensile Strength, %	-25 max	-20
Elongation, %	-20 max	-18
Volume, %	-0 to +10	+3

VT50BK00 is now available on the Canyon Components [online store!](#)

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