



## Overview

VT55BK00 is Canyon's standard 55 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 (55 Shore A Durometer)

## Test Data

**Table 1. Physical Properties**

| Test                        | Requirements | Results    |
|-----------------------------|--------------|------------|
| Color                       | Black        | Black      |
| Hardness, Shore A           | 55+/-5 (Z1)  | 55         |
| Tensile Strength, psi (MPa) | 1015 min     | 1218 (8.4) |
| 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      | +0      |
| Tensile Strength, % | -25 max      | +2      |
| Elongation, %       | -25 max      | -6      |

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

| Test (Change)    | Requirements | Results |
|------------------|--------------|---------|
| Permanent Set, % | 50 max       | 7       |

**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      | -22     |
| Elongation, %       | -20 max      | -16     |
| Volume, %           | -0 to +10    | +3      |

VT55BK00 is now available on the Canyon Components [online store!](#)

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