



Overview

VT90BR00 is Canyon's standard 90 shore A durometer, brown FKM Type A. This is an extremely popular, cost-effective commodity material. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V0709-90 and VA153-90.

Features & Benefits

- Great heat resistance & high temp stability
- Excellent chemical resistance
- Excellent resistance to weathering, aging, and extrusion

Service Temperature

- -26°C to 225°C (-15°F to 437°F)

Specification

- ASTM D2000 M2HK910 A1-10 B38 EF31 E078

Test Data

Table 1. Physical Properties

| Test | Requirements | Results |
|-----------------------------|--------------|-------------|
| Color | Brown | Brown |
| Hardness, Shore A | 90+/-5 | 92 |
| Tensile Strength, psi (MPa) | 1450 min | 1860 (12.8) |
| Elongation | 100% min | 135% |

General Purpose

High Hardness



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 | -1 |
| Elongation, % | -25 max | -8 |

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

| Test (Change) | Requirements | Results |
|------------------|--------------|---------|
| Permanent Set, % | 50 max | 20 |

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

| Test (Change) | Requirements | Results |
|---------------------|--------------|---------|
| Hardness, Shore A | -5 to +5 | -2 |
| Tensile Strength, % | -25 max | -15 |
| Elongation, % | -20 max | -5 |
| Volume, % | -0 to +10 | +3 |

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 | -17 |
| Elongation, % | -20 max | -6 |
| Volume, % | 0 to +15 | +11 |

VT90BR00 is now available on the Canyon Components [online store!](#)