

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 437F)

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%



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](#)!