



Overview

VT90BK20 is Canyon's 90 shore A durometer, black FKM Type GF. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V0709-90 and VA153-90.

Features & Benefits

- Improved resistance to steam, acids, aromatic hydrocarbons, & more
- Great heat resistance & high temp stability
- Excellent chemical resistance
- Excellent resistance to weathering, aging, and extrusion

Service Temperature

- -16°C to 225°C (3°F to 437°F)

Specification

- ASTM D2000 M2HK910 A1-10 B38 EF31 E078

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	90+/-5	92
Tensile Strength, psi (MPa)	1450 min	2400 (16.5)
Elongation	100% min	150%



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	-19
Elongation, %	-25 max	+30

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

Test (Change)	Requirements	Results
Permanent Set, %	50 max	14

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-1
Tensile Strength, %	-25 max	-5
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	-1
Tensile Strength, %	-40 max	-10
Elongation, %	-20 max	+12
Volume, %	0 to +15	+2

VT90BK20 is now available on the Canyon Components [online store!](#)