



Overview

VT80BK00 is Canyon's standard 80 shore A durometer, black 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 V1164-75, V1476-75, and V1475-75.

Features & Benefits

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

Service Temperature

- -26°C to 225°C (-15°F to 437°F)

Specification

- ASTM D2000 M6HK810 A1-10 B38 EF31 E088

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	80+/-5	79
Tensile Strength, psi (MPa)	1450 min	1910 (13.1)
Elongation	150% min	185%



Table 2. A1-10 - Heat Aging - 70 hrs at 250°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+3
Tensile Strength, %	-25 max	+3
Elongation, %	-25 max	-11

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

Test (Change)	Requirements	Results
Permanent Set, %	15 max	13

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-2
Tensile Strength, %	-25 max	-18
Elongation, %	-20 max	+3
Volume, %	-0 to +10	+3

Table 5. E088 - Blend 7700 Resistance - 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-6
Tensile Strength, %	-40 max	-20
Elongation, %	-20 max	+6
Volume, %	+25 max	+8

VT80BK00 is now available on the Canyon Components [online store!](#)