



Overview

VT75BK20 is Canyon's 75 shore A durometer, black FKM Type GF with improved chemical resistance. Other FKM types are available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V1274-80.

Features & Benefits

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

Service Temperature

- -16°C to 225°C (3°F to 437°F)

Specification

- ASTM D2000 M2HK814 A1-10 B37 EF31 E078 F16

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	75+/-5	76
Tensile Strength, psi (MPa)	2030 min	2755 (19)
Elongation	150% min	280%

Chemical Resistant

General Purpose

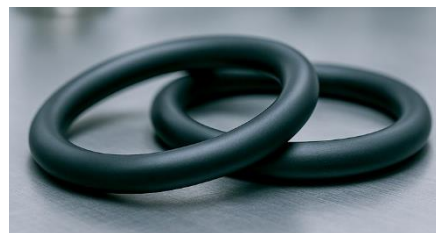


Table 2. A1-10 - Heat Aging - 70 hrs at 250°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	-25 max	+6
Elongation, %	-25 max	-2

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

Test (Change)	Requirements	Results
Permanent Set, %	50 max	10

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-1
Tensile Strength, %	-25 max	-12
Elongation, %	-20 max	-8
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	-22
Elongation, %	-20 max	-12
Volume, %	0 to +15	+8

VT75BK20 is now available on the Canyon Components [online store!](#)



Table 6. F16 – Low Temp Brittleness Test – 3 mins at -35°C

Test (Change)	Requirements	Results
Brittleness	Non-Brittle	Non-Brittle

Table 7. Blend 7700 Resistance – 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-10
Tensile Strength, %	N/A	-14
Elongation, %	N/A	-11
Volume, %	N/A	+1

Table 8. ASTM Oil #1 (901) Resistance – 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-2
Tensile Strength, %	N/A	+1
Elongation, %	N/A	-3
Volume, %	N/A	+2

Table 9. ASTM Oil #3 (903) Resistance – 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-2
Tensile Strength, %	N/A	-7
Elongation, %	N/A	+1
Volume, %	N/A	+1

Table 10. Sulfuric Acid Resistance – 168 hrs at 120°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	0
Tensile Strength, %	N/A	-18
Elongation, %	N/A	+5
Volume, %	N/A	+4

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

Table 11. Nitric Acid Resistance – 168 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-3
Tensile Strength, %	N/A	-2
Elongation, %	N/A	+3
Volume, %	N/A	+4

Table 12. 37% Hydrochloric Acid Resistance – 168 hrs at 70°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-1
Tensile Strength, %	N/A	+2
Elongation, %	N/A	0
Volume, %	N/A	+4

Table 13. Sodium Hypochlorite Resistance – 168 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	0
Tensile Strength, %	N/A	-9
Elongation, %	N/A	-6
Volume, %	N/A	+1