



Overview

VT80BK40 is Canyon's 80 shore A durometer, black FKM Type GFLT with improved chemical resistance and low temp performance. Other FKM types are available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V1163-75.

Features & Benefits

- Great high temp stability & improved low temp performance
- Excellent chemical resistance
- Improved resistance to steam, acids, aromatic hydrocarbons, & more
- Excellent resistance to weathering

Service Temperature

- -37°C to 225°C (-35°F to 437F)
- -40°C capable for static applications

Specification

- ASTM D2000 M7HK810 A1-10 B38

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	80+/-5	79
Tensile Strength, psi (MPa)	1450 min	2000 (13.8)
Elongation	150% min	200%



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	-9
Elongation, %	-25 max	+20

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

Test (Change)	Requirements	Results
Permanent Set, %	20 max	12

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	+4
Elongation, %	-20 max	-6
Volume, %	0 to +10	+2

Table 5. Methanol Resistance - 70 hrs at 23°C

Test (Change)	Requirements	Results
Volume, %	0 to +15	+5

VT80BK40 is now available on the Canyon Components [online store!](#)

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