



Overview

VT75BK30 is Canyon's 75 shore A durometer, black FKM Type GLT with improved low temp performance. Other FKM types are available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V0835-75 and VM835-75.

Features & Benefits

- Great heat resistance & high temp stability. Improved low temp performance.
- Excellent chemical resistance
- Excellent resistance to weathering and aging

Service Temperature

- -40°C to 225°C (-40°F to 437°F)
- Excursions down to -50°C

Specification

- ASTM D2000 M6HK710 A1-10 B38 EF31

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	75+/-5	76
Tensile Strength, psi (MPa)	1450 min	2973 (20.5)
Elongation	175% min	290%



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	+8
Elongation, %	-25 max	+7

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

Test (Change)	Requirements	Results
Permanent Set, %	50 max	13

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	-20
Elongation, %	-20 max	-8
Volume, %	0 to +10	+4

Table 5. Low Temp Brittleness Test - 3 mins at -33.3°C

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

VT75BK30 is now available on the Canyon Components [online store!](#)



Table 6. 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	-5
Volume, %	0 to +15	+10

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

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-10
Tensile Strength, %	-40 max	-15
Elongation, %	-20 max	-3
Volume, %	+25 max	+18

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