



Overview

VT75BK91 is Canyon's 75 MIL Spec and AMS Spec 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 & VM835-75.

Features & Benefits

- MIL-R-83485, AMS-R-83485, AMS 7287 QPL
- 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

- MIL-R-83485, AMS-R-83485, AMS 7287 QPL

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	75+/-5	76
Tensile Strength, psi (MPa)	1600 min	2110 (14.6)
Elongation	120% min	210%
TR-10, °C	-28.9 max	-30



Table 2. Heat Aging – 70 hrs at 275°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-1
Tensile Strength, %	-35 max	-19
Elongation, %	-10 max	-4
Weight, %	-12 max	-4

Table 3. Compression Set - Permanent

Test (Change)	Requirements	Results
70 hrs @ 24°C, %	25 max	5
166 hrs @ 175°C, %	25 max	17
22 hrs @ 200°C, %	20 max	9

Table 4. TT-S-735 Type III Fuel Resistance – 22 hrs at 24°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-1
Tensile Strength, %	-30 max	-6
Elongation, %	-20 max	-8
Volume, %	+1 to +10	+2

Table 5. AMS 3021 Resistance – 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-3
Tensile Strength, %	-30 max	-21
Elongation, %	-20 max	-8
Volume, %	+1 to +10	+12
Permanent Set, %	10 max	0