



Overview

VT75BK58 is Canyon's 75 shore A durometer, AMS 7379, black FKM Type XLT with improved chemical resistance and exceptional low temp performance.

Features & Benefits

- AMS 7379 FKM Material
- Extremely improved low temp performance
- Excellent chemical resistance
- Improved resistance to steam, acids, aromatic hydrocarbons, & more
- Excellent resistance to weathering

Service Temperature

- -51°C to 225°C (-60°F to 437°F)

Specification

- AMS 7379

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	75+/-5	76
Tensile Strength, psi (MPa)	1300 min	1706 (11.76)
Elongation	120% min	16%
Specific Gravity		1.82
Low Temperature Retraction TR10, °F	-37	-42
Glass Transition Temperature Tg, °F	-40	-40

AMS

Chemical Resistant

Extreme Low Temp



Table 2. Heat Aging – 70 hrs at 270°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +5	+2
Tensile Strength, %	-45 max	-27.4
Elongation, %	-10 max	+27

Table 3. Compression Set – 22 hrs at 200°C

Parameters	Requirements	Results
22 hrs at 200°C	20% max	6.1%
336 hrs at 200°C	55% max	45.5%

Table 5. Fuel B Resistance – 70 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 max	-1
Tensile Strength, %	-35 max	-17.1
Elongation, %	-20 max	+4.9
Volume, %	+1 to +10	+5

Table 6. Reference Oil 300 – 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 max	-2
Tensile Strength, %	-30 max	+1.7
Elongation, %	-20 max	+13.5
Volume, %	0 to +10	+7.7

Table 7. MIL-PFR-83282 Hydraulic Fluid – 70 hrs at 135°C

Test (Change)	Requirements	Results
Hardness, Shore A	-7 max	-1
Tensile Strength, %	-25 max	-9.9
Elongation, %	-15 max	+1.2
Volume, %	+6 max	+2.6