



Overview

VT90BK24 is Canyon's anti explosive decompression (AED) 90 shore A durometer, black FKM Type GF. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP.

Features & Benefits

- Passes NORSOK M-710 AED testing
- Improved resistance to steam, acids, aromatic hydrocarbons, & more
- Great high temp stability
- Excellent chemical resistance
- Excellent resistance to weathering, aging, and extrusion

Service Temperature

- -16°C to 225°C (3°F to 437°F)

Specification

- ASTM D2000 M2HK914 A1-10 B37 B38 EF31 E078

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	90+/-5	92
Tensile Strength, psi (MPa)	2031 min	3250 (22.4)
Elongation	100% min	150%



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	-20
Elongation, %	-25 max	+10

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

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

Table 4. B38 - Compression Set - 22 hrs at 200°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	14

Table 5. EF31 - ASTM Fuel C Resistance - 70 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-1
Tensile Strength, %	-25 max	0
Elongation, %	-20 max	+2
Volume, %	0 to +10	+1

Table 6. E078 - ASTM Oil 101 Resistance - 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-2
Tensile Strength, %	-40 max	-10
Elongation, %	-20 max	+12
Volume, %	0 to +15	+5