

Overview

VT95BK11 is Canyon's anti explosive decompression (AED) 95 shore A durometer, black FKM Type A. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V1238-95.

Features & Benefits

- Anti-Explosive Decompression & Sour Gas tested to Norsok M-710, API 6A, & ISO 23936-2
- Great heat resistance & stability
- Excellent resistance to weathering, aging, and extrusion

Service Temperature

- -26°C to 225°C (-15°F to 437F)

Specification

- Norsok M-710, API 6A, ISO 23936-2

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	95+/-5	98
Tensile Strength, psi (MPa)	N/A	2600 (17.9)
Elongation	N/A	100%

NORSOK

API
6A

ISO
23936-2



Table 2. Heat Aging – 168 hrs at 250°C

Test (Change)	Results
Hardness, Shore A	+2
Tensile Strength, %	-12
Elongation, %	-19

Table 3. Compression Set – 70 hrs at 200°C

Test (Change)	Results
Permanent Set, %	18

Table 4. Norsok M-710 Rapid Gas Decompression Resistance

Condition	Tolerances	Value
Test Temperature, °C	-2 to +2	100
Pressure, MPa	0 to +2	15
Cycle Count		8
Decompression Rate, MPa/min		2
Gas Type, mol%		90/10 CH4/CO2
O-Ring Size, AS568		-325
Test (Change)	Requirements	Results
Results	Pass	Pass (0000)

VT95BK11 is now available on the Canyon Components [online store!](#)



Table 5. API 6A Sour Fluid Resistance

Condition	Value	
Test Temperature, °C	177	
Pressure, MPa	6.9	
Gas Phase (35%)	FF/HH: 10/80/10mol% H2S/CO2/CH4	
Liquid Phases (65%)	60% vessel volume NORSOK oil (mixture of 70% Heptane, 20% Cyclohexane and 10% Toluene) 5% vessel volume deionized water	
Test (Change)	Requirements	Results
Volume, %	-5 to +25	+9.5
Hardness, Shore A	-20 to +10	-2
Modulus @ 50%, %	-50 to +50	-25
Tensile Strength, %	-50 to +50	-25
Elongation, %	-50 to +50	+2

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

