

## VT95BK11 Datasheet

AED Black FKM Type A 95A

#### 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	N/A	2600	
(MPa)	IN/A	(17.9)	
Elongation	N/A	100%	



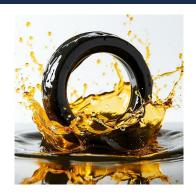


Table 2. Heat Aging – 168 hrs at 250°C		
Test (Change)	Results	
Hardness, Shore A	+2	
Tensile Strength, %	-12	
Elongation, %	-19	

	Table 3. Compression Set	- /u nrs at
ı	200°C	
İ	Test (Change)	Results
	Permanent Set, %	18

Table 4. NURSUK 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			
Cas Type mal%		90/10			
Gas Type, mol%		CH4/C02			
O-Ring Size, AS568		-325			
Test (Change)	Requirements	Results			
Results	Pass	Pass (0000)			

VT95BK11 is now available on the Canyon Components <u>online store!</u>



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Table 5. API 6A Sour Fluid Resistance			
Condition			
Test Temperature, °C	st Temperature, °C 177		
Pressure, MPa		6.9	
Gas Phase (35%)	FF/HH: 10/80/10mol% H2S/C02/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!