

## Overview

VT85BK50 is Canyon's Extreme Low Temperature, 85 shore A durometer, black FKM Type XLT. Other FKM types are available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker VG286-80, V0835-75, and VM835-75.

## Features & Benefits

- High Tensile Strength for improved extrusion resistance.
- Extreme low temperature performance. Great heat resistance & high temp stability.
- Excellent chemical resistance
- Excellent resistance to weathering and aging

## Service Temperature

- -51°C to 225°C (-60°F to 437F)
- Excursions down to -60°C

## Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	85+/-5	86
Tensile Strength, psi (MPa)		2683 (18.5)
Elongation		160%
Tg Point, °C		-37.6



Table 2. Heat Aging – 70 hrs at 270°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +5	-3
Tensile Strength, %	-50 max	-30
Elongation, %	-20 max	+28
Weight, %		-2.6

Table 3. Compression Set – 22 hrs at 175°C

Test (Change)	Requirements	Results
Permanent Set, %	20 max	14

Table 4. Fuel C Resistance – 70 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +15	-5
Tensile Strength, %	-50 max	-25
Elongation, %	-20 max	+7
Volume, %	0 to +10	+5

Table 5. 85% Fuel C / 15% Methanol Resistance – 168 hrs at 70°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-13
Tensile Strength, %	-55 max	-33
Elongation, %	-30 max	-26
Volume, %	0 to +40	+5

VT85BK50 is now available on the Canyon Components [online store!](#)