



Overview

VT90BK60 is Canyon's 90 shore A durometer, black FKM Extreme Type ETP with significantly improved chemical resistance and thermal stability. Other FKM types are available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V1260-75.

Features & Benefits

- Great high temp stability
- Extreme chemical resistance to acids, organic solvents, chlorinated hydrocarbons, fuels, mineral oils, amines, steam, caustics, low molecular weight carbonyls, and more.

Service Temperature

- -20°C to 225°C (-5°F to 437°F)

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	90+/-5	90
Tensile Strength, psi (MPa)	1450 min	2393 (16.5)
Elongation	100% min	120%

Extreme
Chemical
Resistant

High
Hardness



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

Test (Change)	Requirements	Results
Hardness, Shore A	n/a	-4
Tensile Strength, %	n/a	-33
Elongation, %	n/a	+26
Weight Change, %	n/a	-1

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

Test (Change)	Requirements	Results
Permanent Set, %	50 max	20

Table 4. Compression Set – 70 hrs at 200°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	45

Table 5. Chemical Resistance – Various Conditions – Volume % Change

Chemical	Results
70% Nitric Acid in H ₂ O, 70 hrs at 70°C	+9
MEK, 168 hrs at 23°C	+22
Ethyl Acetate, 168 hrs at 23°C	+26
45% KOH in H ₂ O, 70 hrs at 70°C	+0.2
Water, 168 hrs at 100°C	+2

VT90BK60 is now available on the Canyon Components [online store!](#)