



Overview

VT70RE00 is Canyon's standard 70 shore A durometer, red FKM Type A. This is an extremely popular, cost-effective commodity material. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V1164-75, V1476-75, and V1475-75.

Features & Benefits

- Great heat resistance & high temp stability
- Excellent chemical resistance
- Excellent resistance to weathering and aging

Service Temperature

- -26°C to 225°C (-15°F to 437°F)

Specification

- ASTM D2000 M6HK710 A1-10 B38 EF31 E078

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Red	Red
Hardness, Shore A	70+/-5	70
Tensile Strength, psi (MPa)	1450 min	1821 (12.6)
Elongation	175% min	280%



Table 2. A1-10 - Heat Aging - 70 hrs at 250°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+3
Tensile Strength, %	-25 max	-12
Elongation, %	-25 max	-11

Table 3. B38 - Compression Set - 22 hrs at 200°C

Test (Change)	Requirements	Results
Permanent Set, %	15 max	14

Table 4. EF31 - Fuel C Resistance - 70 hrs at 23°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-3
Tensile Strength, %	-25 max	-12
Elongation, %	-20 max	-16
Volume, %	-0 to +10	+6

Table 5. E078 - ASTM 101 Resistance - 70 hrs at 200°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +5	-5
Tensile Strength, %	-40 max	-20
Elongation, %	-20 max	-13
Volume, %	0 to +15	+12

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