



Overview

VT75RE05 is Canyon's FDA Compliant, 75 shore A durometer, red FKM Type A designed for use in food, pharmaceutical, & medical applications. It is USP Class VI, 3A, and FDA compliant. Other FKM available: A, B, F, GF, GLT, GFLT, ULT, ETP.

Features & Benefits

- FDA Compliant CFR 21 177.2600
- USP Class VI
- 3A Sanitary 18-02 Class I, II, III, & IV
- Excellent chemical resistance
- Excellent for clean-in-place & (CIP) steam-in-place (SIP)

Service Temperature

- -26°C to 225°C (-15°F to 437°F)

Specification

- ASTM D2000 M2HK710 A1-10 B38 EF31 F15

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Red	Red
Hardness, Shore A	75+/-5	75
Tensile Strength, psi (MPa)	1450 min	2625 (18.1)
Elongation	175% min	225%



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	-5
Elongation, %	-25 max	-5

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

Test (Change)	Requirements	Results
Permanent Set, %	50 max	7.5

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	-15
Elongation, %	-20 max	-10
Volume, %	0 to +10	+2

Table 5. Low Temp Brittleness Test - 3 mins at -25°C

Test (Change)	Requirements	Results
Brittleness	Non-Brittle	Non-Brittle

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