

## Overview

VT75BU05 is Canyon's USP Class VI, ISO 10993-5, FDA Compliant, 3A Sanitary, 75 shore A durometer, blue FKM Type A designed for use in food, pharmaceutical, & medical applications. Other FKM available: A, B, F, GF, GLT, GFLT, ULT, ETP.

## Features & Benefits

- USP Class VI in vivo biocompatibility tested
- ISO 10993-5 for medical applications
- 3A Sanitary 18-03, Class II for food and dairy manufacturing
- FDA Compliant CFR 21 177.2600 for food contact
- 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)

## Test Data

**Table 1. Physical Properties**

Test	Requirements	Results
Color	Blue	Blue
Hardness, Shore A	75+/-5	75
Tensile Strength, psi (MPa)	8.8 min	1450 (10)
Elongation	220% min	250%



**Table 2. Compression Set - 24 hrs at 200°C**

Test (Change)	Requirements	Results
Permanent Set, %	18 max	13

**Table 3. Compression Set - 72 hrs at 175°C**

Test (Change)	Requirements	Results
Permanent Set, %	18 max	12

**Table 4. Heat Aging - 72 hrs at 200°C**

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+3

**Table 5. IRM 903 - 72 hrs at 150°C**

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	+2
Volume, %	-0 to +10	+3

**Table 6. Isooctane : Toluene (1:1) - 72 hrs at 23°C**

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	-4
Volume, %	-0 to +10	+5

VT75BU05 is now available on the Canyon Components [online store](#).

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