



Overview

PU70WH09 is Canyon's white, FDA compliant, 3A sanitary compliant, 70 shore A durometer, CanThane Polyurethane. PU70WH09 offers good wear and tear resistance. Compare to Parker®.

Features & Benefits

- FDA Compliant
- 3A Sanitary Compliant
- Extreme resistance to wear and abrasion.
- Good flexibility and compression set resistance.
- Resistant to water, oxygen, ozone, and weathering.

Service Temperature

- -55°C to 125°C (-67°F to 257°F)

Specification

- ASTM D2000 5BG720 A14 E014 F19

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	White	White
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	2031 min	2540 (17.5)
Elongation	250%	450%
Modulus @ 100%, psi (MPa)		350 (2.4)
Specific Gravity, g/cm ³		1.21



Table 2. Heat Aging – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	-5
Tensile Strength, %	-20 max	-17
Elongation, %	-40 max	+1

Table 3. Compression Set – 22 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	32

Table 4. Water Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	-8
Tensile Strength, %	N/A	-5
Elongation, %	N/A	+30
Volume, %	-15 to +15	+6

Table 5. Oil #1 Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +15	+5
Tensile Strength, %	-25 max	+7
Elongation, %	-45 max	-3
Volume, %	-10 to +5	+2

Table 6. Oil #3 Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-20 max	+23
Tensile Strength, %	-45 max	-6
Elongation, %	-45 max	-18
Volume, %	0 to +60	+35