

Black, Polyether Polyurethane 70A

Overview

PU70BK00 is Canyon's general purpose, 70 shore A durometer, black, CanThane Polyurethane. PU70BK00 offers good wear and tear resistance. Compare to Parker® P0642-70.

Features & Benefits

- Extreme resistance to wear and abrasion.
- Good flexibility and compression set resistance.
- Resistant to water, oxygen, ozone, and weathering.

Service Temperature

- -55°C to 110°C (-67°F to 230F)

Type

- Polyether Gum Polyurethane

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	2450 min	3625 (25)
Elongation	300%	350%
Specific Gravity, g/cm ³		1.3



Table 2. Heat Aging – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	+1
Tensile Strength, %	+15 max	+2
Elongation, %	-15 max	-3

Table 3. Compression Set – 70 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	45 max	28

Table 4. Oil #1 Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +10	-1
Tensile Strength, %	-25 max	-1
Elongation, %	-45 max	-2
Volume, %	-10 to +5	+2

Table 5. Oil #3 Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +5	-2
Tensile Strength, %	-45 max	-5
Elongation, %	-45 max	-1
Volume, %	0 to +25	+3

PU70BK00 is now available on the Canyon Components [online store](#).

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