



Overview

BT70BK01 is Canyon's FDA compliant, 70 shore A durometer, black Butyl rubber. This is a popular, cost-effective material designed for food manufacturing. Compare to Parker B0318-70 and B0612-70.

Features & Benefits

- FDA Compliant
- Excellent impermeability against gasses for excellent performance in pressurized & vacuum applications.
- Resistance to acids, alkalis, & ozone.
- Good low temperature performance.
- Cost Effective.

Service Temperature

- -60°C to 121°C (-76°F to 250°F)

Specification

- ASTM D2000 4AA715 A13 B33 EA14 F17

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	72
Tensile Strength, psi (MPa)	1450 min	1740 (12)
Elongation	250% min	350%
Specific Gravity, g/cm ³		1.18



Table 2. A13 - Heat Aging - 70 hrs at 70°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +15	+4
Tensile Strength, %	-30 to +30	+6
Elongation, %	-50 max	-10

Table 3. B33 - Compression Set - 22 hrs at 70°C

Test (Change)	Requirements	Results
Permanent Set, %	50 max	35

Table 4. EA14 - Water Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	+2
Volume, %	10 max	+2

Table 5. F17 - Low Temp Brittleness Test - 3 mins at -40°C

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

BT70BK01 is now available on the Canyon Components [online store!](#)

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