



Overview

NB70BK15 is Canyon's FDA compliant, WRAS, W270, 70 shore A durometer, black NBR. NB70BK15 is designed for use in drinking water applications and food manufacturing. Compare to Parker N0674-70, N1470-70, NA151-70, and EP3609-70.

Features & Benefits

- FDA Compliant 177.2600
- WRAS BS6920-1
- CLP, W270
- Low Compression Set
- Cost Effective

Service Temperature

- -35°C to 125°C (-31°F to 257°F)

Specification

- ASTM D 2000 M2BG714 A14 B14 EA14 EF11 EF21 E014 E034

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	69
Tensile Strength, psi (MPa)	2030 min	2175 (15)
Elongation	250% min	340%
Specific Gravity, g/cm ³		1.26



Table 2. A14 - Heat Aging - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+5
Tensile Strength, %	-20 max	+0
Elongation, %	-40 max	-20

Table 3. B14 - Compression Set - 22 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	25 max	13

Table 4. B34 - Compression Set - 22 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	25 max	20

Table 5. EA14 - Water Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	-6
Volume, %	-15 to +15	+8

Table 6. E014 - ASTM Oil #1 (901) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +10	+2
Tensile Strength, %	-25 max	-22
Elongation, %	-45 max	-25