



Overview

NB70BK02 is Canyon's FDA Compliant, 3A, 70 shore A durometer, white NBR. This is a very popular, cost-effective material for food and dairy manufacturing. Compare to Parker N0508-75, N1069-70, N0674-70, N1470-70, and NA151-70.

Features & Benefits

- FDA Compliant CFR 21 177.2600
- 3A Sanitary Compliant
- Carbon black free
- Good abrasion resistance
- Low Compression Set
- Cost Effective

Service Temperature

- -35°C to 122°C (-31°F to 252°F)

Specification

- ASTM D 2000 M5BG707 A14 B14 E014 E034

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	White	White
Hardness, Shore A	70+/-5	74
Tensile Strength, psi (MPa)	1015 min	2045 (14.1)
Elongation	200% min	370%
Specific Gravity, g/cm ³		1.42



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+4
Tensile Strength, %	-20 max	-2
Elongation, %	-40 max	-7

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	12

Table 4. E014 - ASTM Oil #1 (901) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +15	+3
Tensile Strength, %	-25 max	0
Elongation, %	-45 max	-8
Volume, %	-10 to +5	-1

Table 5. E034 - ASTM Oil #3 (903) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	0 to +15	-7
Tensile Strength, %	-45 max	-16
Elongation, %	-45 max	-10
Volume, %	0 to +35	-12