



## Overview

NB70BK05 is Canyon's 70 shore A durometer, internally lubricated with PTFE, black NBR. This is a very popular, cost-effective low friction material. Compare to Parker NL151-50, 8315, N0818-70, NW163-75, and 40601.

## Features & Benefits

- PTFE internally lubricated
- Good abrasion resistance
- Low Compression Set
- Cost Effective

## Service Temperature

- -35°C to 122°C (-31°F to 252°F)

## Specification

- ASTM D2000 M2BG714 A14 B14 EA14 E014

## Test Data

**Table 1. Physical Properties**

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	68
Tensile Strength, psi (MPa)	2030 min	2117 (14.6)
Elongation	250% min	420%
Specific Gravity, g/cm <sup>3</sup>		1.23



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+8
Tensile Strength, %	-25 max	+3
Elongation, %	-50 max	-7

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

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

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	-1
Volume, %	-15 to +15	+5

**Table 5. E014 - ASTM Oil #1 (901) Resistance - 70 hrs at 100°C**

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +10	+5
Tensile Strength, %	-25 max	-9
Elongation, %	-45 max	-4
Volume, %	-10 to +5	-8