



Overview

NB70BK26 is Canyon's ultra low temperature, 70 shore A durometer, black NBR. This is a very popular, cost-effective, low temp material. Compare to Parker N0103-70, N0602-70, N1470-70, and NA151-70.

Features & Benefits

- Improved low temperature performance
- Good abrasion resistance
- Low Compression Set
- Cost Effective

Service Temperature

- -55°C to 122°C (-67°F to 252°F)

Specification

- ASTM D 2000 5BG720 A14 B14 B34 E014 E034 F19

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	2030 min	2195 (15.1)
Elongation	250% min	281%
Specific Gravity, g/cm ³		1.22



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+6
Tensile Strength, %	-20 max	+0.2
Elongation, %	-40 max	-28

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	7

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +10	+3
Tensile Strength, %	-25 max	+4
Elongation, %	-45 max	-7
Volume, %	-10 to +5	-9

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

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to 0	-6
Volume, %	0 to +35	+11

Table 6. F19 - Low Temp Brittleness Test - 3 mins at -55°C

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