



Overview

XN70BK00 is Canyon's standard 70 shore A durometer, black XNBR. Carboxylated NBR offers improved compression set resistance and anti-abrasion performance over standard NBR materials.

Features & Benefits

- Excellent abrasion resistance
- Improved tearing resistance and chemical resistance
- Low Compression Set
- Cost Effective

Service Temperature

- -40°C to 125°C (-40°F to 257°F)

Specification

- ASTM D2000 M5BG714 A14 B14 E014 E034 EF11 EF21

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	72
Tensile Strength, psi (MPa)	2031 min	3045 (21)
Elongation	250% min	350%
Specific Gravity, g/cm ³		1.21



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+4
Tensile Strength, %	-20 max	+10
Elongation, %	-40 max	-25

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	22

Table 4. 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	+14
Elongation, %	-45 max	-29
Volume, %	-10 to +5	-5

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +5	-3
Tensile Strength, %	-45 max	+8
Elongation, %	-45 max	-25
Volume, %	0 to +25	+6

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