



Overview

XN90BK00 is Canyon's standard 90 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 M6BG910 A14 B14 E014 E034

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	90+/-5	91
Tensile Strength, psi (MPa)	1450 min	2755 (19)
Elongation	100% min	120%
Specific Gravity, g/cm ³		1.28



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+2
Tensile Strength, %	-20 max	-8
Elongation, %	-40 max	-29

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

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

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

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +15	0
Tensile Strength, %	-25 max	+5
Elongation, %	-45 max	-32
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	-20 to 0	-7
Tensile Strength, %	-45 max	-7
Elongation, %	-45 max	-29
Volume, %	0 to +35	+20

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