



Overview

NE60BK01 is Canyon's specialty low temperature, 60 shore A durometer, black Neoprene. This is Neoprene conforms to MIL-PRF-3065 SC 615 ABF2 and exhibits excellent low temperature capability & superior compression set. Compare to Parker C1124-70

Features & Benefits

- Good resistance to weathering
- Good heat resistance
- Good resistance to low temp solvents and refrigerants

Service Temperature

- -51°C to 121°C (-60°F to 250F)

Specification

- ASTM D2000 M5BC610 A14 B14 E014 E034 F17

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	60+/-5	61
Tensile Strength, psi (MPa)	1450 min	2450 (16.9)
Elongation	350% min	400%
Specific Gravity, g/cm ³		1.46

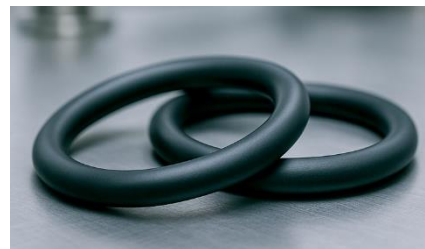


Table 2. A14 - Heat Aging - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+3
Tensile Strength, %	-15 max	-15
Elongation, %	-40 max	-20

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	20

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	+6.5
Tensile Strength, %	-30 max	-15
Elongation, %	-30 max	-20
Volume, %	-10 to +15	-8

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

Test (Change)	Requirements	Results
Tensile Strength, %	-60 max	-21
Elongation, %	-50 max	-21
Volume, %	+100 max	+43

Table 6. F17 - Low Temp Brittleness Test - 3 mins at -40°C

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