



Overview

NE40BK00 is Canyon's standard 40 shore A durometer, black Neoprene. This is a popular, cost-effective commodity material. Compare to Parker C0267-50.

Features & Benefits

- Low hardness
- Good resistance to weathering
- Good heat resistance
- Good resistance to low temp solvents and refrigerants
- Low durometer material
- Cost Effective

Service Temperature

- -40°C to 121°C (-40°F to 250F)

Specification

- ASTM D2000 M2BC410 A14 B14 C12 E014 E034 F17

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	40+/-5	41
Tensile Strength, psi (MPa)	1450 min	1530 (10.5)
Elongation	500% min	550%



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+6
Tensile Strength, %	-15 max	+5
Elongation, %	-40 max	-20

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	28

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	+3
Tensile Strength, %	-30 max	-18
Elongation, %	-30 max	-21
Volume, %	-10 to +15	-1

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

Test (Change)	Requirements	Results
Tensile Strength, %	-70 max	-51
Elongation, %	-55 max	-40
Volume, %	+120 max	+75

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

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