



Overview

NE50BK00 is Canyon's standard 50 shore A durometer, black Neoprene. This is a popular, cost-effective commodity material. Compare to Parker C0267-50.

Features & Benefits

- 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 250°F)

Specification

- ASTM D2000 M3BC510 A14 B14 C12 E014 E034 F17

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	50+/-5	52
Tensile Strength, psi (MPa)	1450 min	1530 (10.5)
Elongation	250% min	310%



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+5
Tensile Strength, %	-15 max	+4
Elongation, %	-40 max	-19

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	30

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	+4
Tensile Strength, %	-30 max	-14
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, %	-60 max	-40
Elongation, %	-50 max	-38
Volume, %	+100 max	+79

NE50BK00 is now available on the Canyon Components [online store](#).

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