



Overview

NE70BK16 is Canyon's AMS 3209, MIL-PRF-1149 compliant, 70 shore A durometer, black Neoprene. This is a popular, cost-effective commodity material. Compare to Parker C0873-70 and C557-70.

Features & Benefits

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

Service Temperature

- -40°C to 125°C (-40°F to 257F)

Specification

- ASTM D2000 M3BC710 A14 B14 E014 E034
- AMS 3209, MIL-PRF-1149 compliant

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	73
Tensile Strength, psi (MPa)	1450 min	1740 (12)
Elongation	250% min	263%
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	+7
Tensile Strength, %	-15 max	-11
Elongation, %	-40 max	-24

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	15

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	-6
Tensile Strength, %	-30 max	-10
Elongation, %	-30 max	-17
Volume, %	-10 to +15	+3

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

Test (Change)	Requirements	Results
Tensile Strength, %	-60 max	-50
Elongation, %	-50 max	-31
Volume, %	+100 max	+45

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