



Overview

NE60BK51 is Canyon's MIL-R-6855, 60 shore A durometer, black Neoprene. This is Neoprene offers good low temperature performance & 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

- -40°C to 125°C (-40°F to 257°F)

Specification

- ASTM D2000 5BC610 A14 B14 C12 E014 E034 F19
- MIL-R-6855 Cl 2, Typ A & B, Gr 60

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	60+/-5	61
Tensile Strength, psi (MPa)	1015 min	2050 (14.05)
Elongation	300% min	311%
Specific Gravity, g/cm ³		1.40



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+2
Tensile Strength, %	-15 max	-2
Elongation, %	-40 max	-10

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	8.5

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

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	+2
Tensile Strength, %	-30 max	-2
Elongation, %	-30 max	-10
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	-30
Elongation, %	-50 max	-20
Volume, %	+100 max	+46

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