



Overview

NE70BK53 is Canyon's AMS-R-6855, low temperature, 70 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

- -61°C to 125°C (-78°F to 257°F)

Specification

- ASTM D2000 3BC710 A14 B14 C12 E014 E034 F17
- AMS 3209
- MIL-R-6855 Cl 2A & 2B, Gr 70
- MIL-PRF-6855 Cl 2A & 2B, Gr 70

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	1015 min	1670 (11.5)
Elongation	200% min	220%
Specific Gravity, g/cm ³		1.42



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+4
Tensile Strength, %	-15 max	+7
Elongation, %	-40 max	-12

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

Test (Change)	Requirements	Results
Permanent Set, %	35 max	16

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	+11
Elongation, %	-30 max	-13
Volume, %	-10 to +15	-5

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

Test (Change)	Requirements	Results
Tensile Strength, %	-60 max	-35
Elongation, %	-50 max	-31
Volume, %	+100 max	+43

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