



Overview

NB70RE04 is Canyon's Metal Detectable, FDA Compliant, 70 shore A durometer, red NBR. This is a very popular, cost-effective material designed for food manufacturing applications. Compare to Parker N1069-70, N0674-70, and NA151-70.

Features & Benefits

- Metal Detectable
- FDA compliant to 21 CFR 177.2600
- Good abrasion resistance
- Low Compression Set
- Cost Effective

Service Temperature

- -35°C to 122°C (-31°F to 252°F)

Specification

- ASTM D2000 M2BG710 A14 B14 EA14 E014 E034 Z1 Z2

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Red	Red
Hardness, Shore A	70+/-5	68
Tensile Strength, psi (MPa)	1450 min	1885 (13)
Elongation	250% min	325%
Specific Gravity, g/cm ³		1.35



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

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+2
Tensile Strength, %	-20 max	+3
Elongation, %	-40 max	-19

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	20

Table 4. EA14 - Water Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	0
Volume, %	-15 to +15	+1

Table 5. E014 - ASTM Oil #1 (901) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +10	+6
Tensile Strength, %	-25 max	+10
Elongation, %	-45 max	-21
Volume, %	-10 to +5	-2

Table 6. E034 - ASTM Oil #3 (903) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +5	-5
Tensile Strength, %	-45 max	+3
Elongation, %	-45 max	-26
Volume, %	0 to +25	+10