



Overview

EP70BK03 is Canyon's FDA Compliant, NSF 61, 70 shore A durometer, black, peroxide cured EPDM. This is a very popular, cost-effective material. Compare to Parker E0540-80, EB152-70, & E883-70.

Features & Benefits

- FDA compliant to 21 CFR 177.2600
- NSF 61 Certified
- High resistance to weathering
- Good heat resistance
- Good abrasion resistance
- Low Compression Set

Service Temperature

- -57°C to 150°C (-70°F to 300F)

Specification

- ASTM D2000 M3DA710 A26 B36 C32 EA14 F19

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	73
Tensile Strength, psi (MPa)	1450 min	2300 (15.8)
Elongation	200% min	300%
Specific Gravity, g/cm ³		1.17



Table 2. A26 - Heat Aging - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-20 max	-5
Elongation, %	-20 max	-3

Table 3. B36 - Compression Set - 22 hrs at 150°C

Test (Change)	Requirements	Results
Permanent Set, %	25 max	14

Table 4. C32 - Ozone - ASTM D 1171 B

Test (Change)	Requirements	Results
No Cracks	Pass	Pass

Table 5. EA14 - Water Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-2
Volume, %	-5 to +5	+1

Table 6. F19 - Low Temp Brittleness Test - 3 mins at -55°C

Test (Change)	Requirements	Results
Brittleness	Non-Brittle	Non-Brittle