



Overview

EP70BK05 is Canyon's FDA compliant 70 shore A durometer, peroxide cured, black EPDM. This is a very popular, cost-effective commodity material. Compare to Parker E1028-70, E0540-80, and E883-70.

Features & Benefits

- FDA Compliant
- High resistance to weathering
- Good heat resistance
- Good abrasion resistance
- Low Compression Set
- Cost Effective

Service Temperature

- -57°C to 150°C (-70°F to 300F)

Specification

- ASTM D2000 M3DA710 A26 B36 EA14 F19

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	1450 min	1815 (12.5)
Elongation	200% min	215%
Specific Gravity, g/cm ³		1.10



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+4
Tensile Strength, %	-20 max	-10
Elongation, %	-20 max	-15

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	18

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

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

Table 5. F19 - Low Temp Brittleness Test - 3 mins at -55°C

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

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