



Overview

EP90BK10 is Canyon's standard 90 shore A durometer, black EPDM. This is a very popular, cost-effective commodity material. Compare to Parker E0652-90.

Features & Benefits

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

Service Temperature

- -55°C to 130°C (-67°F to 266°F)

Specification

- ASTM D2000 M4BA810 A14 B13 C12 F17

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	90+/-5	88
Tensile Strength, psi (MPa)	1450 min	1580 (10.9)
Elongation	150% min	210%
Modulus @ 100%, psi (MPa)		507 (3.5)
Tear Resistance, kg/cm		26
Specific Gravity, g/cm ³		1.27



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+4
Tensile Strength, %	-25 max	-11
Elongation, %	-25 max	-14

Table 3. B13 - Compression Set - 22 hrs at 70°C

Test (Change)	Requirements	Results
Permanent Set, %	25 max	21

Table 4. C12 - Ozone - ASTM D 1171

Test (Change)	Requirements	Results
No Cracks	Pass	Pass

Table 5. F17 - 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!](#)