

Overview

EP90BK00 is Canyon's standard 90 shore A durometer, peroxide cured, black EPDM. This is a very popular, cost-effective commodity material. Compare to Parker E0652-90.

Features & Benefits

- High durometer
- 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 M7CA910 A25 B35 Z1 Z2

Test Data

Table 1. Physical Properties

| Test | Requirements | Results |
|-------------------------------------|--------------|-----------|
| Color | Black | Black |
| Hardness, Shore A | 90+/-5 | 88 |
| Tensile Strength, psi (MPa) | 1450 min | 2320 (16) |
| Elongation | 100% min | 150% |
| Specific Gravity, g/cm ³ | | 1.22 |



Table 2. A14 - Heat Aging - 70 hrs at 150°C

| Test (Change) | Requirements | Results |
|---------------------|--------------|---------|
| Hardness, Shore A | +10 max | +1 |
| Tensile Strength, % | -20 max | -9 |
| Elongation, % | -40 max | -12 |

Table 3. B13 - Compression Set - 22 hrs at 125°C

| Test (Change) | Requirements | Results |
|------------------|--------------|---------|
| Permanent Set, % | 70 max | 9 |

Table 4. Steam Aging - 168 hrs at 290°C

| Test (Change) | Requirements | Results |
|---------------------|--------------|---------|
| Hardness, Shore A | N/A | +4 |
| Tensile Strength, % | N/A | -78 |
| Elongation, % | N/A | -10 |

EP90BK00 is now available on the Canyon Components online store.

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