



Overview

EP70BK26 is Canyon's 70 shore A durometer, sulfur cured, black EPDM. This is a very popular, cost-effective material that is filled with PTFE for improved lubricity.

Features & Benefits

- PTFE Filled for improved lubricity
- High resistance to weathering
- Good heat resistance
- Good abrasion resistance
- Low Compression Set

Service Temperature

- -55°C to 130°C (-67°F to 266°F)

Specification

- ASTM D2000 M2BA707 A14 B13 C12 F17

Test Data

Table 1. Physical Properties

| Test | Requirements | Results |
|-------------------------------------|--------------|-------------|
| Color | Black | Black |
| Hardness, Shore A | 70+/-5 | 70 |
| Tensile Strength, psi (MPa) | 1015 min | 1523 (10.5) |
| Elongation | 200% min | 350% |
| Modulus @ 100%, psi (MPa) | | 493 (3.4) |
| Specific Gravity, g/cm ³ | | 1.23 |



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

| Test (Change) | Requirements | Results |
|---------------------|--------------|---------|
| Hardness, Shore A | +10 max | +5 |
| Tensile Strength, % | -25 max | -12 |
| Elongation, % | -25 max | -15 |

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

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

Table 4. C12 - Ozone - ASTM D 1171

| Test (Change) | Requirements | Results |
|---------------|--------------|---------|
| No Cracks | Pass | Pass |

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!](#)