



Overview

EP70BK59 is Canyon's UL Compliant 70 shore A durometer, black EPDM for improved weathering resistance. EP70BK59 is UV Stabilized and designed UL 157 and UL 97 compliance in mind.

Features & Benefits

- UL Compliant to UL 157
- UL Compliant to UL 97 V0
- UV Stabilized for improved weathering
- Good heat resistance
- Good abrasion resistance
- Low Compression Set

Service Temperature

- -55°C to 150°C (-67°F to 300°F)

Specification

- ASTM D2000 M2BA707 A14 B13 C12 F19

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	1015 min	1566 (10.8)
Elongation	200% min	380%
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, %	20 max	20

Table 4. C32 - Ozone - 72 hrs at 40°C

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!](#)

EP70BK59 is now available on the Canyon Components [online store!](#)