



## Overview

EP50BK01 is Canyon's standard 50 shore A durometer, sulfur cured, black EPDM. This is a very popular, cost-effective commodity material. Compare to Parker E1100-50.

## Features & Benefits

- High resistance to weathering
- Low durometer
- 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 M2BA510 A14 B13 EA14 F19

## Test Data

**Table 1. Physical Properties**

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	50+/-5	52
Tensile Strength, psi (MPa)	1440 min	1885 (13)
Elongation	400% min	750%
Specific Gravity, g/cm <sup>3</sup>		1.16



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

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	-25 max	-6
Elongation, %	-25 max	-10

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	7

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

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	+1
Volume, %	N/A	-2

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

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

EP50BK01 is now available on the Canyon Components online store.

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