



## Overview

EP85BK20 is Canyon's tight durometer tolerance, 85 to 90 shore A durometer, sulfur cured, black EPDM. This is a very popular, cost-effective material.

## 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	85 to 90	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 <sup>3</sup>		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!](#)