



Overview

EP80BK00 is Canyon's standard peroxide cured 80 shore A durometer, black EPDM. This is a very popular, cost-effective commodity material. Compare to Parker E0540-80, EB152-70, and E883-70.

Features & Benefits

- High resistance to weathering
- Peroxide Cured
- 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 2DA815 A26 B36 C32 F19 G11 G21 EA14

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	80+/-5	81
Tensile Strength, psi (MPa)	1450 min	2377 (16.4)
Elongation	150% min	225%
Specific Gravity, g/cm ³		1.11



Table 2. A26 - Heat Aging - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	-20 max	-5
Elongation, %	-20 max	+2

Table 3. B36 - Compression Set - 22 hrs at 150°C

Test (Change)	Requirements	Results
Permanent Set, %	40 max	13.5

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

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	0
Elongation, %	N/A	-4
Tensile Strength, %	N/A	-4
Volume, %	-5 to +5	+0.1

Table 5. SAE Fluid Resistance - 70 hrs at 120°C

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-2
Elongation, %	N/A	-2
Tensile Strength, %	N/A	-7
Volume, %	N/A	+1.6