

Overview

EP70BU15 is Canyon's FDA compliant, 3A, Metal Detectable and X-Ray Detectable, 70 shore A durometer, peroxide cured, blue EPDM. This is a very popular, cost-effective material for food and dairy manufacturing applications.

Features & Benefits

- FDA Compliant
- 3A Sanitary 18-03, Class I, II, III, IV
- Metal & X-Ray Detectable
- High resistance to weathering
- Low Compression Set
- Cost Effective

Service Temperature

- -57°C to 150°C (-70°F to 300F)

Specification

- ASTM D2000 2AA709 A13 EA14 F17
- ASTM D2000 8BA709 B13

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	74
Tensile Strength, psi (MPa)	870 min (7.7)	1119 (7.7)
Elongation	150% min	170%
Specific Gravity, g/cm ³		1.50

The information provided in this data sheet is based on test results and our combined expertise. This data sheet is intended to serve only as a reference and is not considered a guarantee.

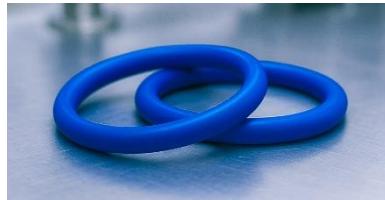


Table 2. A13 - Heat Aging – 70 hrs at 70°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to +15	+1
Tensile Strength, %	-30 to +30	+6
Elongation, %	-50 max	+3

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

Test (Change)	Requirements	Results
Permanent Set, %	25 max	5

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

Test (Change)	Requirements	Results
Hardness, Shore A	N/A	-1
Volume, %	10 max	-0.5

Table 5. F17 – Low Temp Brittleness Test – 3 mins at -40°C

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

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