

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 | 1119 (7.7) |
| Elongation | 150% min | 170% |
| Specific Gravity, g/cm ³ | | 1.50 |

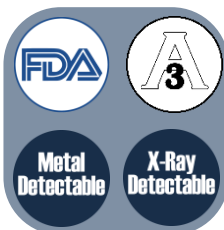


Table 2. A13 - Heat Aging - 70 hrs at 70°C

| 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!](#)