

5504-NSF NSF/ANSI 51 CERTIFIED FIRM DENSITY SILICONE SPONGE EXTRUDED PRODUCTS

DESCRIPTION

Bellofram Silicones 5504-NSF is a firm density FDA Compliant and NSF/ANSI 51 Certified closed cell silicone sponge elastomer product, available in both standard and custom extruded profiles. Our sponge materials are designed for applications in which low compressive force and distance are required for sealing, as well as where temperature resistance is important.

Contact us at siliconesRFQ@bellofram.com to request a free product sample or quotation.



FEATURES

- Handles temperature extremes
- Excellent gasketing material
- Low closure force
- Very low compression set
- Ultraviolet ray (UV) resistant
- Ozone resistant

MATERIAL SPECIFICATIONS

- ASTM D-1056 2D5
- 21CFR177.2600
- NSF/ANSI 51 Certified

TYPICAL PHYSICAL PROPERTIES

| PROPERTY | TEST METHOD | SPECIFICATION |
|---|-------------|-----------------|
| Compression Deflection | ASTM D-1056 | 17 to 25 psi |
| Heat Age (22 Hours @ +150°C) | ASTM D-1056 | +/-5% Change |
| Water Absorption | ASTM D-1056 | 10% |
| Compression Set (22 Hours @ +100°C) | ASTM D-1056 | 42% |
| Low-Temperature Flex (5 Hours @ -55°C) | ASTM D-1056 | PASS |
| Flammability | FMVSS 302 | PASS |
| Temperature Resistance (Continuous)(°F) | | -85° to + 400°F |

Data noted above is based on laboratory tests and should be used as a reference only. Further information and additional specifications are available upon request. Tests, claims, representations, and descriptions regarding flammability are based on standard laboratory tests, and they may not be reliable for determining, evaluating, predicting, or describing the flammability or burning characteristics under actual fire conditions, whenever used alone or in combination with other products. Accordingly, each potential user should make an individual determination whether the flammability or burning characteristics of the product are suitable for the purpose intended by the user.