

5509 FIRM DENSITY FLAME RETARDANT SILICONE SPONGE EXTRUDED PRODUCTS

DESCRIPTION

Bellofram Silicones 5509 is a firm density flame retardant 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
- Meets burn requirements of UL94 V-0

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	35%
Low-Temperature Flex (5 Hours @ -55°C)	ASTM D-1056	PASS
Flammability	UL94 V-0	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.