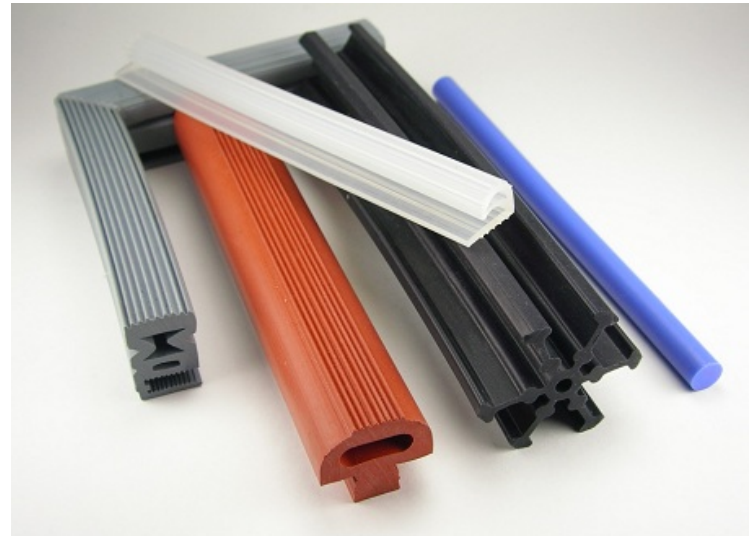


# 6509 Flame Retardant Solid Silicone Rubber Extruded Products

## DESCRIPTION

The Bellofram Silicones 6509 is a 50 Shore "A" durometer flame retardant solid silicone rubber elastomer product, available in both standard and custom extruded profiles. It is designed for applications in which superior physical properties are not required, yet where resistance to temperature extremes is important.

Contact us at [siliconesRFQ@bellofram.com](mailto:siliconesRFQ@bellofram.com) for a product sample or quotation.



## FEATURES

- Excellent gasketing material
- Resistance to temperature extremes
- Ultraviolet ray (UV) resistant
- Ozone resistant
- Non-toxic

## MATERIAL SPECIFICATIONS

- ASTM D2000 M1GE505
- Meets burn requirements of UL 94 V-0

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	SPECIFICATION
Durometer	Shore "A"	50 ± 5
Tensile MPa (psi)		5 (725)
Heat Age (70 Hours @ +225° C)		Change in Tensile Strength, +/-30% Change in Elongation, -50% Change in Durometer, +/-15 pts
Compression Set (22 Hours @ +175°C)		70% max
Oil Immersion (IRM 903 70 Hours @ +150°C)		Volume change +80%
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.