

6505 High Tear & Flex Resistant Solid Silicone Extruded Products

DESCRIPTION

The Bellofram Silicones 6505 is a 50 Shore "A" durometer high tear and flex resistant silicone rubber elastomer, available in both standard and custom extruded profiles. They are designed for applications in which superior physical properties are required. This elastomer can withstand over 140,000 flexes.

Contact us at 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
- High tear resistance
- High flex resistance

MATERIAL SPECIFICATIONS

- ASTM D2000 M1GE505
- A-A-59588 CL3B GR50

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	SPECIFICATION
Durometer	Shore "A"	50 ± 5
Tensile Strength		1200 psi min.
Elongation		500% min.
Tear Resistance		1550 PPI
Compression Set (70 Hours @ 100°C)	ASTM D395	20% max.
Heat Age	ASTM D573	±10 Hardness -25% Tensile -30% Elongation
Brittle Point	ASTM D2137	-70° C
Water Immersion	ASTM D471	+ 5% Volume Change
Demattia Flex	D813	140,000 Cycles
Impact Resiliance	ASTM D2632	45% min.

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.