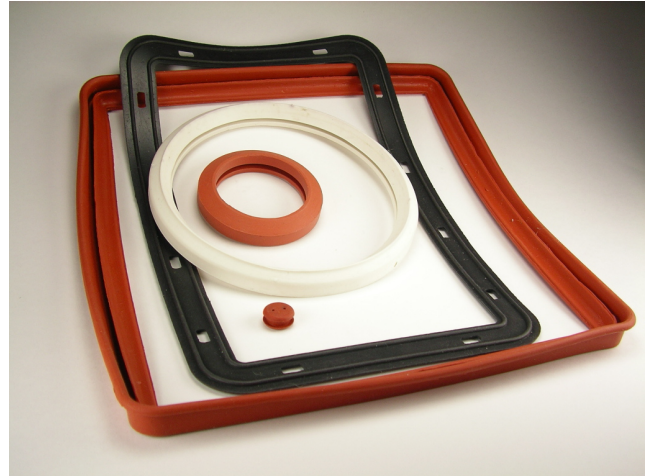


8505 High Tear & Flex Resistant Solid Silicone Molded Products

DESCRIPTION

Bellofram Silicones 8505 is a 50 SHORE "A" durometer high tear and flex resistant silicone rubber elastomer. It is designed for applications in which superior physical properties are required. This elastomer can reliably withstand over 140,000 flexes.

Contact us today at siliconesRFQ@bellofram.com for product samples or a 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

- A-A-59588 CL38 GR50

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	SPECIFICATION
Durometer	Shore "A"	50 ± 5
Tensile Strength min MPa (psi)		8.28 (1200)
Elongation % min.		500%
Tear Resistance kN/m (ppi)		26.25 (150)
Compression Set (70 Hours @ +100°C)	ASTM D395	20%
Heat Age (70 Hours @ +200°C)	ASTM D573	±10 Hardness Change
		-25% Tensile Change
		-30% Elongation Change
Brittle Point min. °C (°F)	ASTM D2137	-70° C
Water Immersion (Volume Change %)	ASTM D471	+ 5
DeMATTIA FLEX (1/2 inch max crack growth)	D813	140,000 Cycles
Impact Resilience (min %)	ASTM D2632	45%
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.