

Silicone Tubing

- Made from FDA-sanctioned ingredients
- Able to resist extreme temperature variation: -100°F to 500°F†
- Translucent natural color for visual contact with the flow
- Resilient, stretchable, and resistant to compression set
- Odorless, tasteless, and inert
- Good electrical and weatherability properties — resists U.V., ozone, gases, and moisture
- Listed by the National Sanitation Foundation (NSF 51)†



PART NO.	ID (IN.)	OD (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F*	BURST PSI AT 70°F	LBS. PER 100 FT.
280 0084	1/16	1/8	100	10	30	0.50
280 0161	1/16	3/16	100	20	60	1.34
280 0315	3/32	5/32	100	10	30	0.66
280 0392	3/32	7/32	100	15	45	1.58
280 0469	1/8	3/16	100	10	30	0.88
280 0546	1/8	1/4	100	20	60	2.00
280 0623	1/8	5/16	100	25	75	3.32
280 0700	1/8	3/8	100	—	—	4.92
280 0854	5/32	9/32	100	20	60	2.14
280 0931	5/32	11/32	100	20	60	3.64
280 1008	3/16	1/4	100	5	15	1.22
280 1085	3/16	5/16	100	20	60	2.64
280 1162	3/16	3/8	100	20	60	4.12
280 1239	3/16	7/16	100	15	45	6.14
280 1393	1/4	5/16	100	10	30	1.50
280 1470	1/4	3/8	100	5	15	3.34
280 1547	1/4	7/16	100	20	60	5.12
280 1624	1/4	1/2	100	15	45	7.50
280 1778	5/16	7/16	100	10	30	3.66
280 1855	5/16	1/2	100	10	30	6.30
280 1932	3/8	1/2	100	10	30	4.32
280 2009	3/8	9/16	100	10	30	7.14
280 2086	3/8	5/8	100	10	30	10.16
280 2163	3/8	3/4	100	15	45	16.72
280 2240	7/16	5/8	100	10	30	7.70
280 2317	1/2	5/8	100	5	15	5.84
280 2394	1/2	11/16	100	5	15	9.50
280 2471	1/2	3/4	100	10	30	13.12
280 2548	1/2	7/8	100	10	30	15.00
280 2625	5/8	3/4	100	—	—	6.86
280 2702	5/8	13/16	100	5	15	11.34
280 2779	5/8	7/8	100	5	15	13.38
280 2856	5/8	1	100	10	30	22.86
280 3087	3/4	1	50	5	15	17.64
280 3164	3/4	1-1/8	50	10	30	26.56

Add length suffix to part number when ordering. Example: 100 ft. of 1/16" I.D. x 1/8" O.D. tubing is part number 280 0084-100.

*Performed on hydrostatic test equipment at ambient temperature; based on the ASTM D1599 method.

BOLD indicates the critical dimension for fittings application.



Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Additional Services



Notes

The most outstanding properties of SILCON are its flexibility and resistance to temperature extremes. These, plus its good electrical properties and ability to self-extinguish, make SILCON an excellent choice for appliances and computers.

Peroxide-cured SILCON contains no sulphur or other acid-producing chemicals, thereby eliminating the possibility of staining, corroding, or deteriorating materials it contacts. It is extremely resistant to ozone and U.V. over long time periods.

Care is recommended in the selection of fittings and clamps for SILCON as sharp barbed fittings or unlined metal clamps could tear into the tubing wall and possibly cause a failure.

SILCON is not recommended for implantable or in-body uses or for continuous steam applications.

SILCON may be low pressure steam sterilized in-line or autoclaved at up to 250°F in a normal autoclaving cycle. However, if exposed to repeated steam sterilization or long-term high temperature or pressure, silicone will eventually relax and become gummy. It should then be replaced.

Colors for industrial applications are available through minimum order — call for details.

Physical Properties**

Hardness, Shore A ±5	50
Tensile Strength, psi	1100
Elongation at Break, %	375
Brittle Temperature, °F	-100
Max. Operating Temperature, °F	500†
Comp. Set, 22 hrs. at 177°F, %	35
Tear Resistance (ppi minimum)	100

**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

†When used in an NSF application, the maximum operating temperature is limited to 350°F.