

BioSilicone High Performance Silicone Tubing



© Main Features

BioSilicone high performance silicone tubing is based on Longer's years of research and application experience in fluid transfer and process technology with peristaltic pump, and made of refined silicone polymer. It has high transparency, good wear resistance, low permeability, strong restitutional resilience, and is not easy to deform after compression, which is the optimal tubing for peristaltic pumping applications.

- > USP Class VI
- > FDA 21 CFR 177.2600
- > NSF 51
- > RoHS
- > REACH

© Typical Applications

Media addition

Ultrafiltration and concentration

IVD reagent dispensing and filling

Media filling

Coolant transfer

Fermentation control

Oral liquids filling

Vaccine filling

Buffer transfer

Saline transfer



Double-bagged,
following GMP guidelines



Lot-traceable and accompanied by
documentation to make the
validation easy

© Tubing Specification

Product Code	Tubing Size	ID (mm)	OD (mm)	Wall Thickness (mm)	Length (m/pkg)	Hardness (Shore A)	Tensile Strength (MPa)	Elongation at Break (%)	Tear Strength (kN/m)	Material
05.50.741	14#	1.6	5	1.7	15	50-55	≥7.0	≥500	≥30	Platinum-cured silicone
05.50.742	19#	2.4	5.8	1.7	15	50-55	≥7.0	≥500	≥30	
05.50.743	16#	3.2	6.4	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.744	25#	4.8	8	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.745	17#	6.4	9.6	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.746	18#	7.9	11.1	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.747	15#	4.8	9.6	2.4	15	50-55	≥7.0	≥500	≥18	
05.50.748	24#	6.4	11.2	2.4	15	50-55	≥7.0	≥500	≥18	
05.50.749	35#	7.9	12.7	2.4	15	56-60	≥7.0	≥300	≥18	
05.50.750	36#	9.5	14.3	2.4	15	56-60	≥7.0	≥300	≥18	
05.50.751	73#	9.5	16.1	3.3	15	50-55	≥7.0	≥500	≥18	
05.50.752	82#	12.7	19.3	3.3	15	50-55	≥7.0	≥500	≥18	
05.50.753	86#	9.5	22.3	6.4	15	50-55	≥7.0	≥500	≥18	
05.50.754	88#	12.7	22.3	4.8	15	56-60	≥7.0	≥300	≥18	
05.50.755	90#	19	31.8	6.4	15	50-55	≥7.0	≥500	≥18	
05.50.756	92#	25.4	35	4.8	15	50-55	≥7.0	≥500	≥18	

Temperature range: -50°C to 250°C. Can be sterilized repeatedly by high temperature and ultraviolet.