

# BioSilicone™ High Performance Silicone Tubing

Mainly for peristaltic pumping

**LONGER**  
PRECISION FLUID TRANSFER

## © 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 restitutive resilience, and is not easy to deform after compression, which is the optimal tubing for peristaltic pumping applications.

- > USP Class VI Certified
- > FDA regulations 21 CFR 177.2600 Certified
- > NSF 51 Certified
- > Comply with RoHS requirement
- > Comply with REACH requirement

BioSilicone™ high performance silicone tubing is specially designed and manufactured for GMP pharmaceutical process. And can be widely used in life science, medical equipment, food and beverage and other applications. BioSilicone™ tubing meets USP Class VI and FDA standards, and complies with RoHS requirement, which improves the reliability of high-quality fluid transferring.



## © 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



BioSilicone™ tubing is manufactured in cleaning room with optimized work flow and strict quality control, which meets your need for cleanliness.



### ◎ 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: -30°C to 250°C  
 Can be sterilized repeatedly by high temperature and ultraviolet.

### ◎ Double-bagged, following GMP guidelines



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



Longer Precision Pump Co., Ltd.  
 3rd/4th Floor, Building 6B, University Science Park  
 Baoding National, High - Tech Industrial Development  
 Zone Baoding, Hebei, China 071051  
 Tel: +86 - 312 - 3110087  
 Fax: +86 - 312 - 3168553  
 E - mail: longer@longerpump.com  
 Https://www.longerpump.com