

# Biosicon® Silicone Tubing



## ◎ Main Features

BioSicon Silicone Tubing is based on Longer's years of research and application experience in fluid transfer and process technology with the peristaltic pump. The tubing is 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. These features make it the optimal tubing for peristaltic pumping applications.

- >USP<88> Class VI
- >USP<87> Requirement
- >USP<85>Endotoxins <0.25EU/mL
- >FDA regulations 21CFR 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
05.50.786	13#	0.8	4.2	1.7	15	56-60	≥7.0	≥300	≥30	Platinum-cured silicone
05.50.766	14#	1.6	5	1.7	15	50-55	≥7.0	≥500	≥30	
05.50.767	19#	2.4	5.8	1.7	15	50-55	≥7.0	≥500	≥30	
05.50.768	16#	3.2	6.4	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.769	25#	4.8	8	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.770	17#	6.4	9.6	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.771	18#	7.9	11.1	1.6	15	50-55	≥7.0	≥500	≥30	
05.50.772	15#	4.8	9.6	2.4	15	50-55	≥7.0	≥500	≥30	
05.50.773	24#	6.4	11.2	2.4	15	50-55	≥7.0	≥500	≥30	
05.50.774	35#	7.9	12.7	2.4	15	56-60	≥7.0	≥300	≥30	
05.50.775	36#	9.5	14.3	2.4	15	56-60	≥7.0	≥300	≥30	
05.50.776	73#	9.5	16.1	3.3	15	50-55	≥7.0	≥500	≥30	
05.50.777	82#	12.7	19.3	3.3	15	50-55	≥7.0	≥500	≥30	
05.50.778	86#	9.5	22.3	6.4	15	50-55	≥7.0	≥500	≥30	
05.50.779	88#	12.7	22.3	4.8	15	56-60	≥7.0	≥300	≥30	
05.50.780	90#	19	31.8	6.4	15	50-55	≥7.0	≥500	≥30	
05.50.781	92#	25.4	35	4.8	15	50-55	≥7.0	≥500	≥30	
05.50.760	26#	6.4	13	3.3	15	50-55	≥7.0	≥500	≥30	
05.50.761	184#	15.9	22.5	3.3	15	50-55	≥7.0	≥500	≥30	
05.50.762	185#	8	16	4	15	50-55	≥7.0	≥500	≥30	
05.50.763	186#	12	20	4	15	50-55	≥7.0	≥500	≥30	
05.50.764	187#	16	24	4	15	50-55	≥7.0	≥500	≥30	
05.50.765	188#	17	25	4	15	50-55	≥7.0	≥500	≥30	

\*Temperature range: -30°C to 250°C. Can be sterilized repeatedly by high temperature and ultraviolet.

TUBING