

Masterflex® BioPharm Platinum-Cured Silicone Pump Tubing

Masterflex® BioPharm platinum-cured silicone tubing features an ultra-smooth inner surface that minimizes particle entrapment and inhibits bacterial growth. This tubing is weather, ozone, corona, and radiation resistant to withstand demanding pumping conditions.

Engineered for sensitive applications, BioPharm tubing combines low extractables, documented biocompatibility, and long peristaltic pump life for reliable process performance.



CERTIFICATION

USP Class VI, FDA, 3A, and
European Pharmacopoeia (EP 3.1.9)

APPLICATIONS

- Auto-analyzer systems
- Cosmetic manufacturing
- Food and beverage dispensing

FEATURES/BENEFITS

- Ultra-smooth inner surface minimizes particle entrapment
- Very low extractables, low absorption, and excellent biocompatibility preserve fluid integrity
- Odorless, non-toxic, and fungus resistant—no taste imparted on fluids
- Translucent for easy visual monitoring
- No leachable additives or plasticizers
- Genuine Masterflex tubing undergoes robust testing to provide optimal performance and pump life hours with peristaltic pump equipment
- Precision extruded to tight tolerances for long life, high accuracy, and reproducibility

USA	+1.800.323.4340
	+1.847.549.7600
Canada	+1.800.363.5900
India	+1.800.266.1244
China	+86.21.5109.9909

UK	+44 (0) 1480.272279
	+33 (0) 1 87 17 01 42*
	+49 (0) 937 792030*
Italy	+39.02.84349215
All others	+1.847.549.7600

Physical Properties

Property		Value
Durometer		50 Shore A
Temperature Range	Static	–60 to 232 °C (–76 to 450 °F)
	Dynamic (pumping)	–40 to 100 °C (–40 to 212 °F)
Sterilization		Autoclave, ethylene oxide (EtO), or gamma irradiation
Color		Translucent, clear to light amber
Chemical Compatibility	Acids	Not recommended
	Alkalies	Not recommended
	Organic Solvents	Not recommended

Specification and Ordering Table

Dimensions		Max Pressure psi (bar)	Max Vacuum in. Hg (mm Hg)	Suction Lift ft H ₂ O (m H ₂ O)	Length (ft)	Item number
Tubing Size	Hose Barb Size in. (mm)					
L/S® Precision Pump Tubing						
L/S 13	1/16" (1.6)	40 (2.7)	26 (660)	29 (8.8)	25	68709-14
L/S 14	1/16" (1.6)	40 (2.7)	26 (660)	29 (8.8)	25	68709-15
L/S 16	1/8" (3.2)	40 (2.7)	26 (660)	29 (8.8)	25	68709-17
L/S 25	3/16" (4.8)	35 (2.4)	26 (660)	29 (8.8)	25	68709-21
L/S 17	1/4" (6.4)	20 (1.4)	20 (510)	22 (6.7)	25	68709-18
L/S 18	3/8" (9.5)	15 (1)	20 (510)	22 (6.7)	25	68709-19
L/S® High-Performance Precision Pump Tubing						
L/S 15	3/16" (4.8)	40 (2.7)	26 (660)	29 (8.8)	25	68709-16
L/S 24	1/4" (6.4)	40 (2.7)	26 (660)	29 (8.8)	25	68709-20
L/S 35	3/8" (9.5)	35 (2.4) / 15	26 (660)	29 (8.8)	25	68709-23
L/S 36	3/8" (9.5)	20 (1.4)	24 (610)	27 (8.3)	25	68709-24
I/P® Precision Pump Tubing						
I/P 26	1/4" (6.4)	40 (2.7)	26 (660)	29 (8.8)	25	68709-22
I/P 73	3/8" (9.5)	40 (2.7)	26 (660)	29 (8.8)	25	68709-25
I/P 82	1/2" (12.7)	20 (1.4)	20 (510)	23 (7)	25	68709-26
I/P® High-Performance Precision Pump Tubing						
I/P 70	3/8" (9.5)	40 (2.7)	26 (660)	29 (8.8)	10	68709-27
I/P 88	1/2" (12.7)	35 (2.4)	26 (660)	29 (8.8)	10	68709-28
I/P 89	5/8" (15.9)	20 (1.4)	24 (610)	27 (8.3)	10	68709-29