

# Peristaltic Pump Tubing

## Common Tubing Material

Silicone tubing: Ultra-smooth inner liner with extremely low leachables, low protein absorption, good flexibility and wide temperature range -51 to 238°C.

Various materials tubings are available.

## Tubing Specifications:

### Micro & small flow tubing

Tubing Sizes		0.13×0.9	0.51×0.9	0.76×0.85	1.52×0.85	2.06×0.85	3.17×0.85	0.5×0.8	1×1	2×1	2.4×0.8	3×1
Tubing cross sections (1:1)												
Wall thickness (mm)		0.9			0.85			0.8	1		0.8	1
Inner diameter (mm)		0.13	0.51	0.76	1.52	2.06	3.17	0.5	1	2	2.4	3
Maximum pressure (Mpa)	Continuous	0.1										
	Intermittent	0.1										

### Medium flow tubing (Longerpump silicone tubing)

Tubing Sizes		13 <sup>#</sup>	14 <sup>#</sup>	19 <sup>#</sup>	16 <sup>#</sup>	25 <sup>#</sup>	17 <sup>#</sup>	18 <sup>#</sup>	15 <sup>#</sup>	24 <sup>#</sup>	35 <sup>#</sup>	36 <sup>#</sup>
Tubing cross sections (1:1)												
Wall thickness of domestic tubing (mm)		1.7			1.6			2.4				
Wall thickness of imported tubing (inch)		1/16"						3/32"				
Inner diameter of domestic tubing (mm)		0.8	1.6	2.4	3.2	4.8	6.4	7.9	4.8	6.4	7.9	9.5
Inner diameter of imported tubing (inch)		1/32"	1/16"	3/32"	1/8"	3/16"	1/4"	5/16"	3/16"	1/4"	5/16"	3/8"
Maximum pressure (Mpa)	Continuous	0.17			0.14	0.10	0.07	0.17			0.14	
	Intermittent	0.27			0.24	0.14	0.10	0.27			0.24	

### Industrial tubing (Longerpump silicone tubing)

Tubing Sizes		73 <sup>#</sup>	82 <sup>#</sup>	88 <sup>#</sup>	92 <sup>#</sup>
Tubing cross sections (1:1)					
Wall thickness of domestic tubing (mm)		3.3		4.8	
Wall thickness of imported tubing (inch)		1/8"		3/16"	
Inner diameter of domestic tubing (mm)		9.6	12.7	12.7	25.4
Inner diameter of imported tubing (inch)		3/8"	1/2"	1/2"	1"
Maximum pressure (Mpa)	Continuous	0.17	0.07	0.14	
	Intermittent	0.27	0.14	0.14	