

Reinforced Platinum Cured Tubing

CLARIPURE®'s Platinum Cured Silicone Tubing was developed to meet the most stringent requirements of the life sciences industries. All tubing is manufactured in a state of the art **Class 10000 / ISO Class 7 Clean Room** environment.

Vertical extrusion techniques are employed in conjunction with continuous **laser measurement** to ensure the most exacting tolerances.

Platinum Cured Silicone Tubing is widely used for liquid media transfer and works well in Peristaltic Pump applications.

Material Specifications: (Platinum Cured Silicone)

Physical Properties	Value	ASTM Test
Specific Gravity	1.15	
Hardness, Shore A	50	D 2240
Tensile Strength psi (Mpa)	1200 (8.3)	D 412
Elongation (%)	720	D 412
Tear Resistance, Die B lbf./in. (KN/m)	200 (35.1)	D 624
Tensile Modulus @ 100% psi (Mpa)	250 (1.7)	D 412
Temperature Rating, Deg. F	400	

For higher pressure applications or those with a need for improved kink resistance we also offer our platinum-cured braided silicone tubing. It is constructed using an inner and outer platinum cured silicone shell with a polyester inner braiding. The inner core is a softer (60 durometer, shore A) material for flexibility, while the outer shell is slightly harder (70 durometer, shore A) for strength.

Sizing Chart

Silicone Platinum Cured Reinforced Tubing

ID	OD	Wall	Std. lenth
.125"	.345"	.110"	50', 100'
.187"	.407"	.110"	50', 100'
.250"	.490"	.120"	50', 100'
.375"	.625"	.125"	50', 100'
.500"	.800"	.150"	50', 100'
.625"	.965"	.170"	50'
.750"	1.10"	.175"	50'

Applications

- Bio Process Equipment
- USP Water
- Hot WFI
- Sterile Transfer
- Cell-Culture Media
- Clean Steam
- Aseptic Fill and Transfer

Benefits

- Superior Bio Compatibility
- Rated For High Temperatures(Steam in Place)
- Extremely Flexible
- No Taste or Odor Imparted
- Ultra-Pure Medical Grade
- Non-Pyrogenic
- Lot and Batch Traceable
- High Pressure Rating*

Sterilization

- Ethylene Oxide (ETO)
- Autoclavable
- Gamma Irradiation
- Steam in Place

Certifications

- U.S. Pharmacopoeia Class VI
- ISO 10993-3
- Cytotoxicity Criteria
- Meets 3-A Standards
- CFR Title 21 Section 177.2600
- Current Good Manufacturing Practice
- Animal Derived Ingredient Free
- Traceability: Lot and Batch
- Certification: Lot and Batch

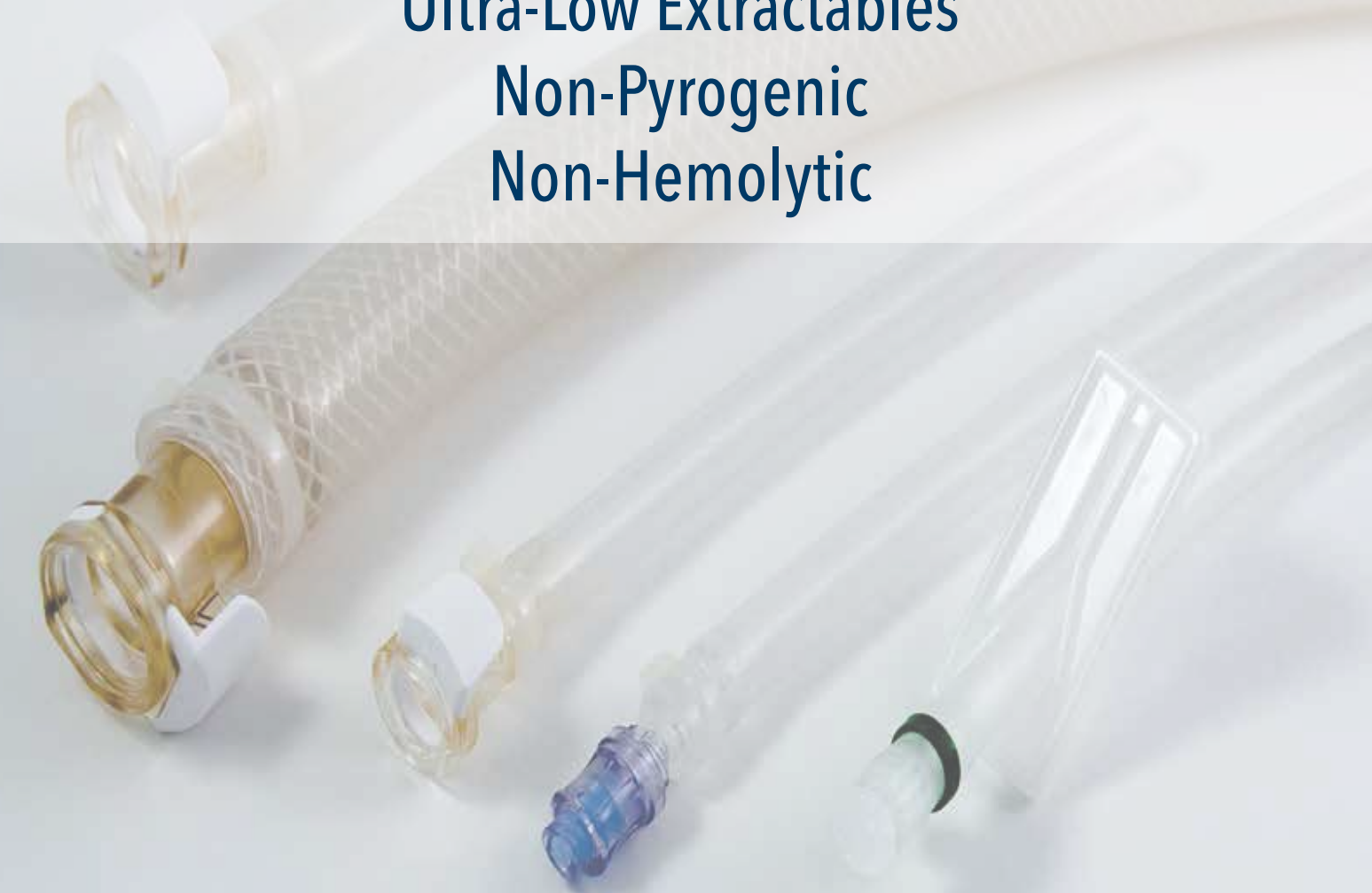
*Denotes Braided only

This information provided by CLARIPURE® is deemed to be accurate; however, it should be used only as a general reference to aid in product selection. Please note: a material's properties may be affected greatly by temperature, operating pressure, concentration, and the presence of other chemicals. Ultimately, the consumer must determine the compatibility of any material based on tests done under their particular process conditions.

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Platinum Cured Silicone Tubing

Bio-Compatible
Ultra-Low Extractables
Non-Pyrogenic
Non-Hemolytic



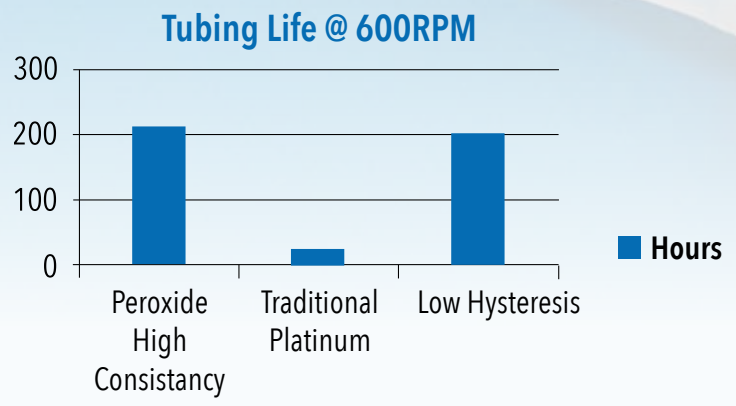
Low Hysteresis Platinum Cured Tubing



We developed **Low Hysteresis** Platinum Cured Silicone Tubing for the most critical and exacting meter dose peristaltic pump applications. This tubing is manufactured from a specific platinum cured silicone compound that exhibits many unique characteristics which are not typical of other platinum compounds. The compound exhibits the mechanical properties of peroxide cured with the purity levels that only platinum compound can assure.

Material Specifications:
Low Hysteresis Platinum Cured Silicone

Physical Properties	Value	ASTM Test
Specific Gravity	1.11	
Hardness, Shore A	50	D 2240
Tensile Strength psi (Mpa)	1100	D 412
Elongation (%)	500	D 412
Tear Resistance, Die B lbf./in. (KN/m)	100	D 624
Compression Set, % (22 hrs. @ 177C)	20	
Bayshore Resilience, %	65	
Temperature Rating, Deg. F	400	



Sizing Chart
Silicone Platinum Cured US Standard

ID	OD	Wall	Pump Size	Std. lenth
.02"	0.144"	1/16"		25',50',100'
1/32"	3/32"	1/32"		25',50',100'
1/32"	5/32"	1/16"	#13	25',50',100'
1/16"	3/16"	1/16"	#14	25',50',100'
1/8"	1/4"	1/16"	#16	25',50',100'
1/8"	5/16"	3/32"		25',50',100'
3/16"	5/16"	1/16"	#03, #25	25',50',100'
3/16"	3/8"	3/32"	#15	25',50',100'
1/4"	3/8"	1/16"	#17	25',50',100'
1/4"	7/16"	3/32"	#24	25',50',100'
1/4"	1/2"	1/8"	#26	25',50',100'
5/16"	3/8"	1/32"		25',50',100'
5/16"	7/16"	1/16"	#18	25',50',100'
5/16"	1/2"	3/32"		25',50',100'
3/8"	1/2"	1/16"	#96	25',50',100'
3/8"	9/16"	3/32"	#73	25',50',100'
3/8"	5/8"	1/8"	#81	25',50',100'
1/2"	3/4"	1/8"	#82	25',50',100'
5/8"	13/16"	3/32"		25',50',100'
5/8"	7/8"	1/8"		25',50',100'
3/4"	1-5/32"	1/8"		25',50',100'
3/4"	1-1/8"	3/16"	#90, #191	25',50',100'
1"	1-1/4"	1/8"		25',50',100'
1" 1-3	1/8"	3/16"	#92	25',50',100'

Sizing Chart
Silicone Platinum Cured Metric

ID	OD	Wall	Pump Size	Std. lenth
.5mm	3.7mm	1.6mm	#112	200'
.8mm	4mm	1.6mm	#13	200'
1.6mm	4.8mm	1.6mm	#14	200'
1.6mm	6.4mm	2.4mm	#119	200'
3.2mm	6.4mm	1.6mm	#16	200'
3.2mm	8mm	2.4mm	#120	200'
4.8mm	8mm	1.6mm	#25	200'
4.8mm	9.6mm	2.4mm	#15	50'
4.8mm	11.2mm	3.2mm	#123	50'
6.4mm	9.6mm	1.6mm	#17	50'
6.4mm	11.2mm	2.4mm	#24	50'
6.4mm	12.8mm	3.2mm	#26	50'
8mm	11.2mm	1.6mm	#18	50'
8mm	12.8mm	2.4mm	#121	50'
8mm	16mm	4mm	#185	50'
9.6mm	14.4mm	2.4mm	#122	50'
9.6mm	16mm	3.2mm	#73	50'
9.6mm	19.2mm	4.8mm	#190	50'
12mm	20mm	4mm	#186	50'
12.4mm	18.8mm	3.2mm	#82	50'
12.7mm	22.3mm	4.8mm	#88	50'
15.9mm	22.3mm	3.2mm	#184	50'
15.9mm	29.5mm	4.8mm	#189	25'
16mm	24mm	4mm	#187	25'
19mm	28.6mm	4.8mm	#191	25'
25.4mm	35mm	4.8mm	#92	25'

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