

Platinum Cured Silicone Tubing

Bio-Compatible / Ultra-Low Extractables



CLARIPURE®'s Platinum Cured Silicone Tubing was developed to meet the most stringent requirements of the life sciences industries requirements. 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 in critical biotech, pharmaceutical, cosmetic, biomedical and food applications for liquid media transfer and works well in Peristaltic Pump applications. Full BPOG standardized extractables test protocol has been performed and available under request.

Material Specifications: (Platinum Cured Silicone)

Physical Properties	Value	ASTM Test
Specific Gravity	1.15	
Hardness, Shore A	50	D2240
Tensile Strength PSI	1600	D412
Elongation (%)	1470	D412
Tensile Modulus @ 100% PSI	117	D412
Tear Resistance (lbs./in.)	200	D624
Temperature Rating, Deg. F	450	

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

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

Sterilization

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

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.



Sizing Chart

Platinum cured silicone tubing Standard

Part Number	ID x OD x Wall (Inches)	ID x OD x Wall (millimeters)	Pump Size	Working Pressure (BAR)	Working Pressure (PSI)
CLP/PCS-062X187	0.062x0.187x0.062	1.6 x 4.8 x 1.6	#14	2.3	34
CLP/PCS-093X218	0.093x0.218x0.062	2.4 x 5.4 x 1.6		1.6	23
CLP/PCS-093X343	0.093x0.343x0.125	2.4 x 8.7 x 3.2		2.9	42
CLP/PCS-125X250	0.125x0.250x0.062	3.2 x 6.4 x 1.6	#16	1.2	17
CLP/PCS-125X312	0.125x0.312x0.093	3.2 x 8.0 x 2.4	#120	1.5	21
CLP/PCS-125X375	0.125x0.375x0.125	3.2 x 9.5 x 3.2		2.4	35
CLP/PCS-156X281	0.156x0.281x0.062	4.0 x 7.2 x 1.6		1.4	20
CLP/PCS-187X312	0.187x0.312x0.062	4.8 x 8.0 x 1.6	#25	1	14
CLP/PCS-187X375	0.187x0.375x0.093	4.8 x 9.6 x 2.4	#15	1.3	19
CLP/PCS-250X312	0.250x0.312x0.031	6.4 x 8.0 x 0.8		0.6	8
CLP/PCS-250X375	0.250x0.375x0.062	6.4 x 9.6 x 1.6	#17	0.8	12
CLP/PCS-250X437	0.250x0.437x0.093	6.4 x 11.1 x 2.4	#24	1.2	17
CLP/PCS-250X500	0.250x0.500x0.125	6.4 x 12.7 x 3.2	#26	1.5	21
CLP/PCS-312X437	0.312x0.437x0.062	8.0 x 11.1 x 1.6	#18	0.7	10
CLP/PCS-312X500	0.312x0.500x0.093	8.0 x 12.7 x 2.4	#121	1.2	18
CLP/PCS-312X562	0.312x0.562x0.125	8.0 x 12.3 x 3.2		1.3	19
CLP/PCS-375X500	0.375x0.500x0.062	9.6 x 12.7 x 1.6		0.8	12
CLP/PCS-375X562	0.375x0.562x0.093	9.6 x 14.3 x 2.4	#122	1	14
CLP/PCS-375X625	0.375x0.625x0.125	9.6 x 15.9 x 3.2	#73	1	14
CLP/PCS-375X750	0.375x0.750x0.187	9.6 x 19.1 x 4.8	#190	1.4	20
CLP/PCS-500X625	0.500x0.625x0.062	12.7 x 15.9 x 1.6		0.6	8
CLP/PCS-500X687	0.500x0.687x0.093	12.7 x 17.4 x 2.4		0.7	10
CLP/PCS-500X750	0.500x0.750x0.125	12.7 x 19.1 x 3.2		0.8	11
CLP/PCS-500X875	0.500x0.875x0.187	12.7 x 22.2 x 4.8	#88	1	15
CLP/PCS-625X875	0.625x0.875x0.125	15.9 x 22.2 x 3.2	#184	0.8	12
CLP/PCS-750X937	0.750x0.937x0.093	19.0 x 23.8 x 2.4		0.6	8
CLP/PCS-750X1000	0.750x1.000x0.125	19.0 x 25.4 x 3.2		0.8	12
CLP/PCS-750X1125	0.750x1.125x0.187	19.0 x 31.7 x 4.8		0.8	12
CLP/PCS-875X1000	0.875x1.000x0.062	22.2 x 25.4 x 1.6		0.6	8
CLP/PCS-875X1125	0.875x1.125x0.125	22.2 x 28.6 x 3.2	#191	0.6	8
CLP/PCS-1000X1250	1.000x1.250x0.125	25.4 x 31.7 x 3.2		0.6	9
CLP/PCS-1000X1375	1.000x1.375x0.187	25.4 x 34.9 x 4.8	#92	0.7	10

Standard Lengths: 25'-50'-100'

Tube: Translucent Silicone, RoHS, 3-A* CLASS VI

Temperature Range: -80°F to 450°F (-63°C to +232°C)

*The 3-A 62-02, standard applies only to assemblies of 3/4" diameter and larger.