

# FLOWLINX® SILICONE TUBING SOLUTIONS

When a single drop of fluid can make the difference in someone's health, you need smart fluid handling solutions that get the job done safely. Manufacturers worldwide rely on connector products that improve yield, cut costs and reduce time to market.



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# Silicone Tubing Solutions

## FlowLinX® Silicone Tubing Solutions

Unlock processing excellence at every stage of your production with FlowLinX® silicone tubing solutions. Engineered for exceptional flexibility and durability, FlowLinX® silicone tubing solutions meet the strictest biocompatibility and regulatory requirements, have broad chemical resistance and are manufactured in ISO Class 7 cleanrooms.

## Simplify Your Validation Process: One Resin for All

FlowLinX® silicone tubing solutions are manufactured using the same product contact resin for all products. Each tubing product is supported by a comprehensive validation package ensuring ease of implementation and use in your process. Request your package: <https://carolinaflow.com/contact/#request-quote>

## Purity You Can Count On

With unrivaled quality, FlowLinX® silicone tubing solutions are animal component free, meet USP <85> and USP <788> and have low leachables.

### APPLICATIONS:

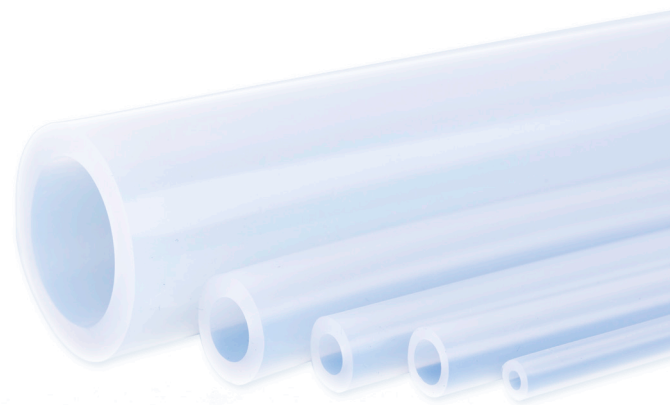
- Cell Culture and Fermentation
- Media and Buffer Transfer
- Harvesting and Filtration
- Sterile Fluid Transfer
- Final Filling



# Silicone Tubing Solutions

PRODUCT OVERVIEW	CCST	CCPG	CCSB
<b>Manufacturing Specifications</b>			
ISO Class 7	X	X	X
Laser Etching/Labeling	X	X	X
Full Production Lot Traceability	X	X	X
Post-cured		X	
<b>Material of Construction</b>			
Platinum Cured Silicone, F-HCR-22520	X	X	X
<b>Biocompatibility</b>			
USP <85>, Bacterial Endotoxin	X	X	X
USP <88>, Biological Reactivity Tests, Class VI, In Vivo	X	X	X
ISO 10993-4, Hemolysis	X	X	X
ISO 10993-5, Cytotoxicity	X	X	X
ISO 10993-10, Irritation and Sensitization	X	X	X
ISO 10993-11, Systemic Toxicity	X	X	X
<b>Physiochemical</b>			
USP <661>, Plastic Packaging Systems	X	X	X
EP 3.1.9, Plastic Packaging Systems and Materials of Construction	X	X	X
FDA 21 CFR 177.2600, Rubber Articles Intended for Repeated Use	X	X	X
Broad Chemical Resistance	X	X	X
<b>Particulate</b>			
USP <788>, Particulate Matter in Injections	X	X	X
<b>Extractables</b>			
USP <665>	X	X	X
<b>Legislation</b>			
REACH	X	X	X
RoHS	X	X	X
Conflict Mineral	X	X	X
<b>Shelf Life</b>			
5 Years, Non-Sterile/Non-Irradiated	X	X	X
<b>Other</b>			
BSE/TSE Free	X	X	X
Latex Free	X	X	X
Phthalate Free	X	X	X
BPA Free	X	X	X
Melamine Free	X	X	X
Nitrosamine Free	X	X	X
High Pressure Performance (+ 100 psi)			X
Excellent Pumpability		X	
<b>Sterilization Methods</b>			
Gamma Irradiation	X	X	X
X-Ray	X	X	X
Autoclave	X	X	X

ATTRIBUTE	ASTM METHOD	VALUE
Durometer, Shore A	D2240	65
Specific Gravity	D412	1.16
Elongation at Break	D792	350%
Operating Temperature		-70C to 190C
UV Resistance		Excellent
Color/Transparency		Translucent



# CCST Transfer Tubing

## CCST Transfer Tubing

CCST unreinforced platinum silicone is ideal for transfer and short run pumping applications as an end-to-end process tubing.



ID (INCH)	ID (MM)	OD (INCH)	OD (MM)	WALL (INCH)	WALL (MM)	BURST PRESSURE (PSI)	BURST PRESSURE (BAR)	COIL SIZE		
								50 FT (15 M)	100 FT (30 M)	SPOOL
1/16"	1.6	1/8"	3.2	1/8"	3.2	126	8.7	CCST-0063-0125	CCST-0063-0125-C100	CCST-0063-0125-S2500
1/16"	1.6	3/16"	4.8	1/16"	1.6	132	9.1	CCST-0063-0188	CCST-0063-0188-C100	CCST-0063-0188-S2000
1/8"	3.2	1/4"	6.4	1/16"	1.6	110	7.6	CCST-0125-0250	CCST-0125-0250-C100	CCST-0125-0250-S1200
1/8"	3.2	5/16"	8.0	3/32"	2.4	134	9.2	CCST-0125-0313	CCST-0125-0313-C100	CCST-0125-0313-S750
1/8"	3.2	3/8"	9.6	1/8"	3.2	160	11	CCST-0125-0375	CCST-0125-0375-C100	CCST-0125-0375-S500
3/16"	4.8	5/16"	8.0	1/16"	1.6	82	5.7	CCST-0188-0313	CCST-0188-0313-C100	CCST-0188-0313-S750
3/16"	4.8	3/8"	9.6	3/32"	2.4	102	7.0	CCST-0188-0375	CCST-0188-0375-C100	CCST-0188-0375-S500
3/16"	4.8	7/16"	11.1	1/8"	3.2	105	7.2	CCST-0188-0438	CCST-0188-0438-C100	CCST-0188-0438-S400
1/4"	6.4	3/8"	9.6	1/16"	1.6	62	4.3	CCST-0250-0375	CCST-0250-0375-C100	CCST-0250-0375-S500
1/4"	6.4	7/16"	11.1	3/32"	2.4	88	6.1	CCST-0250-0438	CCST-0250-0438-C100	CCST-0250-0438-S400
1/4"	6.4	1/2"	12.7	1/8"	3.2	92	6.3	CCST-0250-0500	CCST-0250-0500-C100	CCST-0250-0500-S300
5/16"	8.0	1/2"	12.7	3/32"	2.4	76	5.2	CCST-0313-0500	CCST-0313-0500-C100	CCST-0313-0500-S300
5/16"	8.0	9/16"	14.3	1/8"	3.2	94	6.5	CCST-0313-0563	CCST-0313-0563-C100	CCST-0313-0563-S250
3/8"	9.6	1/2"	12.7	1/16"	1.6	45	3.1	CCST-0375-0500	CCST-0375-0500-C100	CCST-0375-0500-S300
3/8"	9.6	9/16"	14.3	3/32"	2.4	59	4.1	CCST-0375-0563	CCST-0375-0563-C100	CCST-0375-0563-S250
3/8"	9.6	5/8"	15.9	1/8"	3.2	76	5.2	CCST-0375-0625	CCST-0375-0625-C100	CCST-0375-0625-S200
1/2"	12.7	3/4"	19.0	1/8"	3.2	60	4.1	CCST-0500-0750	CCST-0500-0750-C100	CCST-0500-0750-S150
5/8"	15.9	7/8"	22.2	1/8"	3.2	49	3.4	CCST-0625-0875	CCST-0625-0875-C100	--
3/4"	19.0	1"	25.4	1/8"	3.2	46	3.2	CCST-0750-1000	CCST-0750-1000-C100	--
3/4"	19.0	1.125"	28.6	3/16"	4.8	53	3.7	CCST-0750-1125	CCST-0750-1125-C100	--
1"	25.4	1.375"	34.9	3/16"	4.8	50	3.4	CCST-1000-1375	CCST-1000-1375-C100	--

# CCPG Pump Tubing

## CCPG Pump Tubing

CCPG is designed for the most critical applications where long pump life and high accuracy are required. Manufactured from platinum cured silicone, CCPG is post-cured to remove siloxanes and minimize potential leachables impact to your product process.

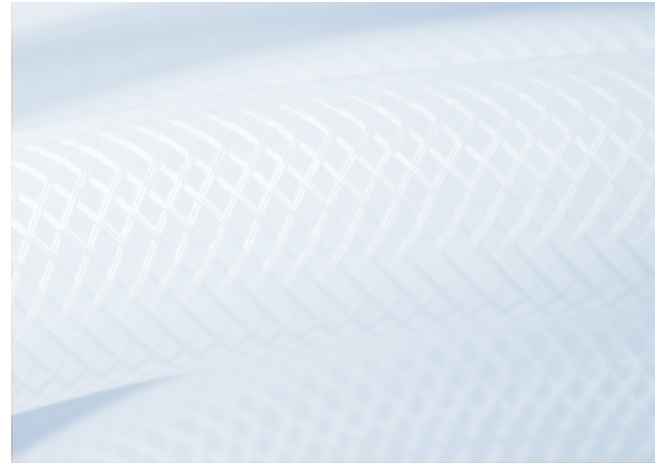


ID (INCH)	ID (MM)	OD (INCH)	OD (MM)	WALL (INCH)	WALL (MM)	BURST PRESSURE (PSI)	BURST PRESSURE (BAR)	TUBING SIZE NUMBER	COIL SIZE	
									25 FT (7.5 M)	50 FT (15 M)
1/32"	0.8	5/32"	4	1/16"	1.6	217	14.9	13	CCPG-0032-0157-C25	CCPG-0032-0157
3/64"	1.2	11/64"	4.4	1/16"	1.6	257	17.7		CCPG-0047-0173-C25	CCPG-0047-0173
1/16"	1.6	3/16"	4.8	1/16"	1.6	152	10.5	14	CCPG-0063-0188-C25	CCPG-0063-0188
3/32"	2.4	7/32"	5.6	1/16"	1.6	152	10.5		CCPG-0094-0219-C25	CCPG-0094-0219
1/8"	3.2	1/4"	6.4	1/16"	1.6	127	8.8	16	CCPG-0125-0250-C25	CCPG-0125-0250
1/4"	6.4	3/8"	9.6	1/16"	1.6	77	5.3	17	CCPG-0250-0375-C25	CCPG-0250-0375
1/8"	3.2	5/16"	8.0	3/32"	2.4	162	11.2		CCPG-0125-0313-C25	CCPG-0125-0313
3/16"	4.8	3/8"	9.6	3/32"	2.4	132	9.1	15	CCPG-0188-0375-C25	CCPG-0188-0375
1/4"	6.4	7/16"	11.2	3/32"	2.4	110	7.6	24	CCPG-0250-0438-C25	CCPG-0250-0438
3/8"	9.6	9/16"	14.3	3/32"	2.4	74	5.1	36	CCPG-0375-0563-C25	CCPG-0375-0563
3/32"	2.4	11/32"	8.8	1/8"	3.2	213	14.7		CCPG-0094-0346-C25	CCPG-0094-0346
1/4"	6.4	1/2"	12.8	1/8"	3.2	115	7.93	26	CCPG-0250-0500-C25	CCPG-0250-0500
3/8"	9.6	5/8"	15.9	1/8"	3.2	87	6.0	73	CCPG-0375-0625-C25	CCPG-0375-0625
1/2"	12.8	3/4"	19.0	1/8"	3.2	73	5.0	82	CCPG-0500-0750-C25	CCPG-0500-0750
3/4"	19.0	1"	25.4	1/8"	3.2	55	3.8	90	CCPG-0750-1000-C25	CCPG-0750-1000
1"	25.4	1.375"	34.9	3/16"	4.8	58	4.0		CCPG-1000-1375-C25	CCPG-1000-1375

# Braided Silicone Hose

## CCSB Braided Silicone Hose

CCSB braided reinforced silicone hose has great overall performance and excellent resistance to temperature, ozone and steam. Manufactured in an ISO 7 cleanroom, it's biocompatibility and low volatiles ensure suitability for biopharmaceutical, pharma and food applications. Made with polyester yarn inside the wall, CCSB provides elevated pressure ratings and is available in 50 ft. (15 m.) lengths.



ID (INCH)	ID (MM)	OD (INCH)	OD (MM)	WALL (INCH)	WALL (MM)	BURST PRESSURE	BURST PRESSURE	COIL SIZE		
								50 FT (15 M)	100 FT (30 M)	SPOOL
1/8"	3.2	3/8"	9.6	1/8"	3.2	670	46.2	CCSBS-0125	CCSBS-0125-C100	CCSBS-0125-S500
3/16"	4.8	7/16"	11.1	1/8"	3.2	700	48.3	CCSBS-0188	CCSBS-0188-C100	CCSBS-0188-S400
1/4"	6.4	1/2"	12.7	1/8"	3.2	500	34.5	CCSBS-0250	CCSBS-	CCSBS-0250-S300
3/8"	9.6	5/8"	15.9	1/8"	3.2	500	34.5	CCSBS-0375	CCSBS-0375-C100	CCSBS-0375-S200
1/2"	12.7	7/8"	22.2	3/16"	4.8	450	31	CCSBS-0500	CCSBS-	--
5/8"	15.9	1"	25.4	3/16"	4.8	450	31	CCSBS-0625	CCSBS-	--
3/4"	19.0	1.125"	28.6	11/64"	4.5	330	22.8	CCSBS-0750	CCSBS-0750-C100	--
1"	25.4	1.405"	35.7	3/16"	4.8	250	17.2	CCSBS-1000	CCSBS-1000-C100	--