

Thomas
Scientific

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.

APPLICATIONS:

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

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

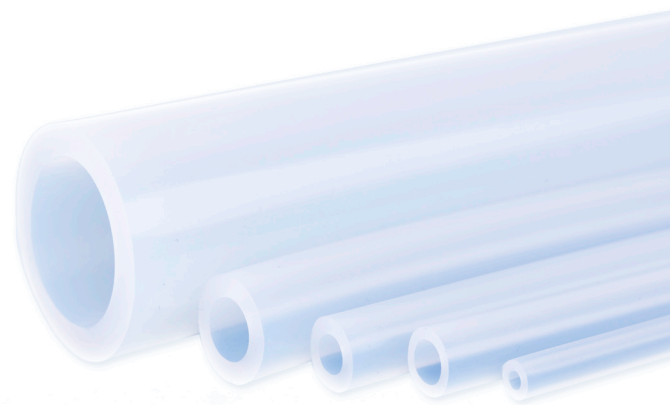
With unrivaled quality, FlowLinX® silicone tubing solutions are animal component free, meet USP <85> and USP <788> and have low leachables.



Silicone Tubing Solutions

PRODUCT OVERVIEW	CCST	CCPG	CCSB
Manufacturing Specifications			
ISO Class 7	X	X	X
Laser Etching/Labeling	X	X	X
Full Production Lot Traceability	X	X	X
Post-cured		X	
Material of Construction			
Platinum Cured Silicone, F-HCR-22520	X	X	X
Biocompatibility			
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
Physiochemical			
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
Particulate			
USP <788>, Particulate Matter in Injections	X	X	X
Extractables			
USP <665>	X	X	X
Legislation			
REACH	X	X	X
RoHS	X	X	X
Conflict Mineral	X	X	X
Shelf Life			
5 Years, Non-Sterile/Non-Irradiated	X	X	X
Other			
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	
Sterilization Methods			
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 (IN.)	ID (MM)	OD (IN.)	OD (MM)	WALL (IN.)	WALL (MM)	Burst Pressure (PSI)	Burst Pressure (BAR)	COIL SIZE					
								50 FT (15 M)		100 FT (30 M)		100 FT (30 M)	
								Thomas No.	Mfr. No.	Thomas No.	Mfr. No.	Thomas No.	Mfr. No.
1/16"	1.6	1/8"	3.2	1/32"	0.8	126	8.7	24A00G549	CCST-0063-0125	24A00G550	CCST-0063-0125-C100	24A00G551	CCST-0063-0125-S2500
1/16"	1.6	3/16"	4.8	1/32"	1.6	132	9.1	24A00G552	CCST-0063-0188	24A00G553	CCST-0063-0188-C100	24A00G554	CCST-0063-0188-S2000
1/8"	3.2	1/4"	6.4	1/16"	1.6	110	7.6	24A00G558	CCST-0125-0250	24A00G559	CCST-0125-0250-C100	24A00G560	CCST-0125-0250-S1200
1/8"	3.2	5/16"	8.0	3/32"	2.4	134	9.2	24A00G561	CCST-0125-0313	24A00G562	CCST-0125-0313-C100	24A00G563	CCST-0125-0313-S750
1/8"	3.2	3/8"	9.6	1/8"	3.2	160	11	24A00G564	CCST-0125-0375	24A00G565	CCST-0125-0375-C100	24A00G566	CCST-0125-0375-S500
3/16"	4.8	5/16"	8.0	1/16"	1.6	82	5.7	24A00G567	CCST-0188-0313	24A00G568	CCST-0188-0313-C100	24A00G569	CCST-0188-0313-S750
3/16"	4.8	3/8"	9.6	3/32"	2.4	102	7.0	24A00G570	CCST-0188-0375	24A00G571	CCST-0188-0375-C100	24A00G572	CCST-0188-0375-S500
3/16"	4.8	7/16"	11.1	1/8"	3.2	105	7.2	24A00G573	CCST-0188-0438	24A00G574	CCST-0188-0438-C100	24A00G575	CCST-0188-0438-S400
1/4"	6.4	3/8"	9.6	1/16"	1.6	62	4.3	24A00G576	CCST-0250-0375	24A00G577	CCST-0250-0375-C100	24A00G578	CCST-0250-0375-S500
1/4"	6.4	7/16"	11.1	3/32"	2.4	88	6.1	24A00G579	CCST-0250-0438	24A00G580	CCST-0250-0438-C100	24A00G581	CCST-0250-0438-S400
1/4"	6.4	1/2"	12.7	1/8"	3.2	92	6.3	24A00G582	CCST-0250-0500	24A00G583	CCST-0250-0500-C100	24A00G584	CCST-0250-0500-S300
5/16"	8.0	1/2"	12.7	3/32"	2.4	76	5.2	24A00G585	CCST-0313-0500	24A00G586	CCST-0313-0500-C100	24A00G587	CCST-0313-0500-S300
5/16"	8.0	9/16"	14.3	1/8"	3.2	94	6.5	24A00G588	CCST-0313-0563	24A00G589	CCST-0313-0563-C100	24A00G590	CCST-0313-0563-S250
3/8"	9.6	1/2"	12.7	1/16"	1.6	45	3.1	24A00G591	CCST-0375-0500	24A00G592	CCST-0375-0500-C100	24A00G593	CCST-0375-0500-S300
3/8"	9.6	9/16"	14.3	3/32"	2.4	59	4.1	24A00G594	CCST-0375-0563	24A00G595	CCST-0375-0563-C100	24A00G596	CCST-0375-0563-S250
3/8"	9.6	5/8"	15.9	1/8"	3.2	76	5.2	24A00G597	CCST-0375-0625	24A00G598	CCST-0375-0625-C100	24A00G599	CCST-0375-0625-S200
1/2"	12.7	3/4"	19.0	1/8"	3.2	60	4.1	24A00G600	CCST-0500-0750	24A00G601	CCST-0500-0750-C100	24A00G602	CCST-0500-0750-S150
5/8"	15.9	7/8"	22.2	1/8"	3.2	49	3.4	24A00G603	CCST-0625-0875	24A00G604	CCST-0625-0875-C100	--	--
3/4"	19.0	1"	25.4	1/8"	3.2	46	3.2	24A00G605	CCST-0750-1000	24A00G606	CCST-0750-1000-C100	--	--
3/4"	19.0	1.125"	28.6	3/16"	4.8	53	3.7	24A00G607	CCST-0750-1125	24A00G608	CCST-0750-1125-C100	--	--
1"	25.4	1.375"	34.9	3/16"	4.8	50	3.4	24A00G609	CCST-1000-1375	24A00G610	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.

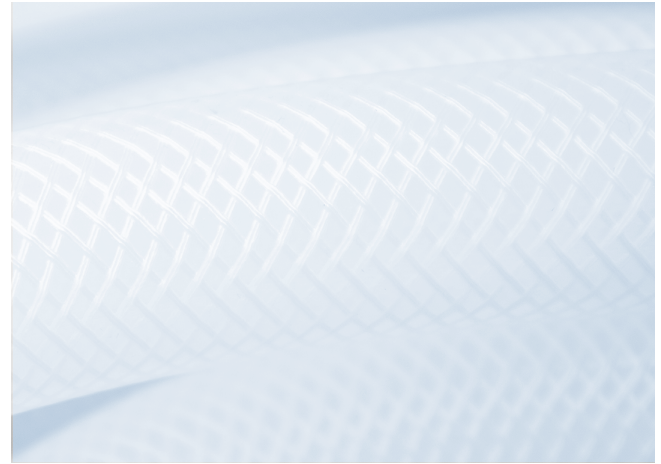


ID (IN.)	ID (MM)	OD (IN.)	OD (MM)	WALL (IN.)	WALL (MM)	TUBING SIZE NUMBER	COIL SIZE			
							25 ft (7.5 M)		50 FT (15 M)	
						Thomas No.	Mfr. No.	Thomas No.	Mfr. No.	
1/32"	0.8	5/32"	4	1/16"	1.6	13	24A00G611	CCPG-0032-0157-C25	24A00G612	CCPG-0032-0157
3/64"	1.2	11/64"	4.4	1/16"	1.6		24A00G615	CCPG-0047-0173-C25	24A00G616	CCPG-0047-0173
1/16"	1.6	3/16"	4.8	1/16"	1.6	14	24A00G617	CCPG-0063-0188-C25	24A00G618	CCPG-0063-0188
3/32"	2.4	7/32"	5.6	1/16"	1.6		--	CCPG-0094-0219-C25	--	CCPG-0094-0219
1/8"	3.2	1/4"	6.4	1/16"	1.6	16	24A00G625	CCPG-0125-0250-C25	24A00G626	CCPG-0125-0250
3/16"	4.8	5/16"	8	1/16"	1.6	25	24A00G631	CCPG-0188-0313-C25	24A00G632	CCPG-0188-0313
1/4"	6.4	3/8"	9.6	1/16"	1.6	17	24A00G635	CCPG-0250-0375-C25	24A00G636	CCPG-0250-0375
5/16"	8	7/16"	11.2	1/16"	1.6		24A00G641	CCPG-0313-0438-C25	24A00G642	CCPG-0313-0438
1/32"	0.8	7/32"	5.6	3/32"	2.4		24A00G613	CCPG-0032-0219-C25	24A00G614	CCPG-0032-0219
1/16"	1.6	1/4"	6.4	3/32"	2.4		24A00G619	CCPG-0063-0250-C25	24A00G620	CCPG-0063-0250
1/8"	3.2	5/16"	8	3/32"	2.4		24A00G627	CCPG-0125-0313-C25	24A00G628	CCPG-0125-0313
3/16"	4.8	3/8"	9.6	3/32"	2.4	15	24A00G629	CCPG-0188-0375-C25	24A00G630	CCPG-0188-0375
1/4"	6.4	7/16"	11.2	3/32"	2.4	24	24A00G637	CCPG-0250-0438-C25	24A00G638	CCPG-0250-0438
5/16"	8	1/2"	12.8	3/32"	2.4	35	24A00G643	CCPG-0313-0500-C25	24A00G644	CCPG-0313-0500
3/8"	9.6	9/16"	14.3	3/32"	2.4	36	24A00G645	CCPG-0375-0563-C25	24A00G646	CCPG-0375-0563
3/32"	2.4	11/32"	8.8	1/8"	3.2		24A00G623	CCPG-0094-0346-C25	24A00G624	CCPG-0094-0346
3/16"	4.8	7/16"	11.2	1/8"	3.2		24A00G633	CCPG-0188-0438-C25	24A00G634	CCPG-0188-0438
1/4"	6.4	1/2"	12.8	1/8"	3.2	26	24A00G639	CCPG-0250-0500-C25	24A00G640	CCPG-0250-0500
3/8"	9.6	5/8"	15.9	1/8"	3.2	73	24A00G647	CCPG-0375-0625-C25	24A00G648	CCPG-0375-0625
1/2"	12.8	3/4"	19	1/8"	3.2	82	24A00G651	CCPG-0500-0750-C25	24A00G652	CCPG-0500-0750
3/4"	19	1"	25.4	1/8"	3.2	90	24A00G659	CCPG-0750-1000-C25	24A00G660	CCPG-0750-1000
5/8"	15.9	7/8"	22.3	1/8"	3.2		24A00G655	CCPG-0625-0875-C25	24A00G656	CCPG-0625-0875
3/8"	9.6	3/4"	19	3/16"	4.8	70	24A00G649	CCPG-0375-0750-C25	24A00G650	CCPG-0375-0750
1/2"	12.8	7/8"	22.3	3/16"	4.8	88	24A00G653	CCPG-0500-0875-C25	24A00G654	CCPG-0500-0875
5/8"	15.9	1"	25.4	3/16"	4.8	89	24A00G657	CCPG-0625-1000-C25	24A00G658	CCPG-0625-1000
3/4"	19	1.125"	28.6	3/16"	4.8		24A00G661	CCPG-0750-1125-C25	24A00G662	CCPG-0750-1125
1"	25.4	1.375"	34.9	3/16"	4.8		24A00G663	CCPG-1000-1375-C25	24A00G664	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 (IN.)	ID (MM)	OD (IN.)	OD (MM)	WALL (IN.)	WALL (MM)	BURST PRESSURE	BURST PRESSURE	COIL SIZE					
								50 FT (15 M)		100 FT (30 M)		SPOOL	
								Thomas No.	Mfr. No.	Thomas No.	Mfr. No.	Thomas No.	Mfr. No.
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-0250-C100	--	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-0500-C100	--	--
5/8"	15.9	1"	25.4	3/16"	4.8	450	31	--	CCSBS-0625	--	CCSBS-0625-C100	--	--
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	--	--



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