

CCPG Pump Tubing

The CCPG Advantage

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.



Engineered for Excellence

Resistance to Fatigue: CCPG's molecular structure minimizes the development of micro-cracks and tears over time, maintaining consistent performance in your process.

Durability and Flexibility: CCPG maintains structural integrity and elasticity over extended use, particularly in peristaltic pump applications where tubing undergoes repeated compression and release.

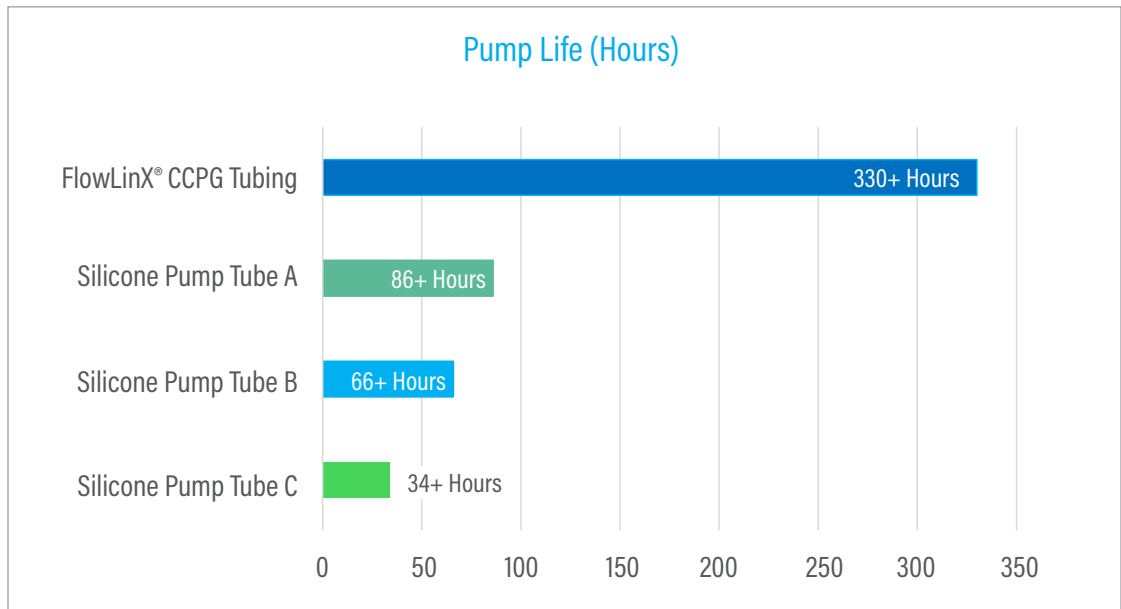
Chemical Inertness: CCPG is post-cured, chemical inert and resistant to a wide range of chemicals. Its chemical resistance ensures the tubing does not degrade or chemically leach materials into your process, maintaining purity of the fluid path.

High Quality Manufacturing: CCPG is manufactured using high-precision techniques ensuring uniform wall thickness and material properties throughout. This consistency is critical for high performance and longevity in continuous pump applications.



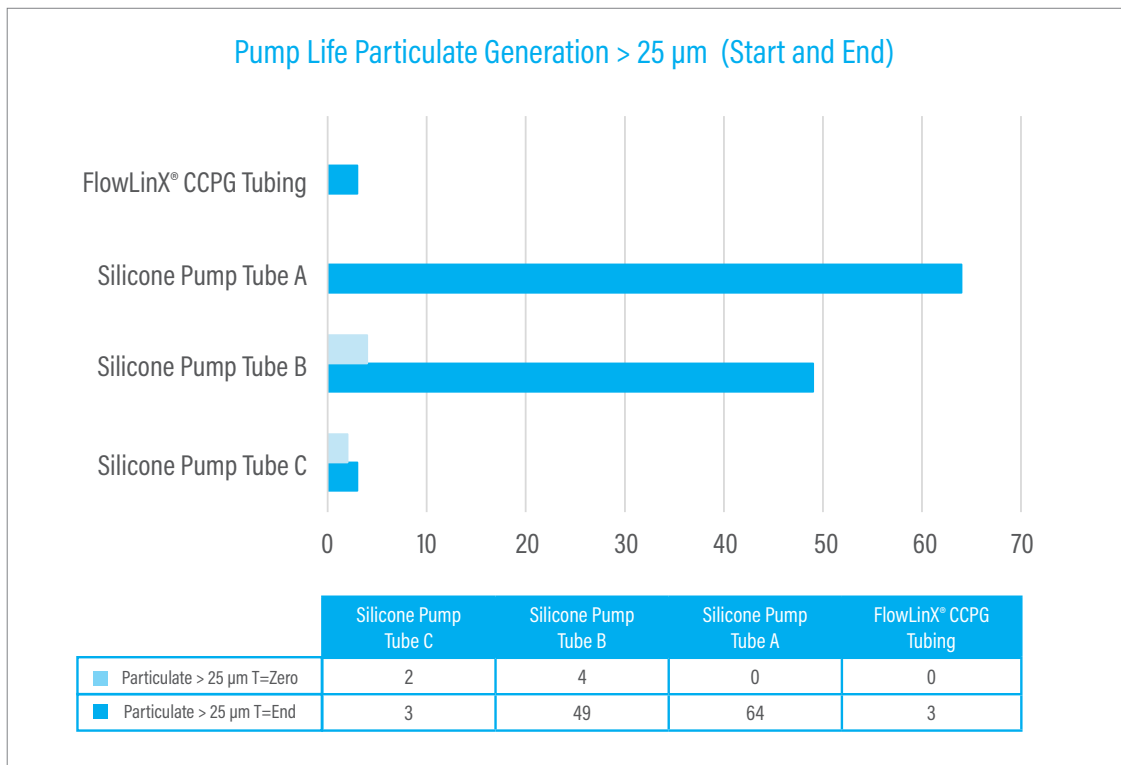
CCPG Pump Tubing

Figure 1: Peristaltic Pump Tubing Life



Pump tubing life in hours for continuous service using MasterFlex L/S variable speed peristaltic pump and head. The pump operated at 400 rpm at 0 psi back pressure with room temperature (18 - 22C) and relative humidity between 32 to 45%.

Figure 2: Pump Life Particulate Generation



Each tubing type was tested for particulate > 25 µm prior to pumping. Post pumping, particulate > 25µm was analyzed from the fluid reservoir.

CCPG Pump Tubing

ID (INCH)	ID (MM)	OD (INCH)	OD (MM)	WALL (INCH)	WALL (MM)	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	13	CCPG-0032-0157-C25	CCPG-0032-0157
3/64"	1.2	11/64"	4.4	1/16"	1.6		CCPG-0047-0173-C25	CCPG-0047-0173
1/16"	1.6	3/16"	4.8	1/16"	1.6	14	CCPG-0063-0188-C25	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	CCPG-0125-0250-C25	CCPG-0125-0250
3/16"	4.8	5/16"	8	1/16"	1.6	25	CCPG-0188-0313-C25	CCPG-0188-0313
1/4"	6.4	3/8"	9.6	1/16"	1.6	17	CCPG-0250-0375-C25	CCPG-0250-0375
5/16"	8	7/16"	11.2	1/16"	1.6		CCPG-0313-0438-C25	CCPG-0313-0438
1/32"	0.8	7/32"	5.6	3/32"	2.4		CCPG-0032-0219-C25	CCPG-0032-0219
1/16"	1.6	1/4"	6.4	3/32"	2.4		CCPG-0063-0250-C25	CCPG-0063-0250
1/8"	3.2	5/16"	8	3/32"	2.4		CCPG-0125-0313-C25	CCPG-0125-0313
3/16"	4.8	3/8"	9.6	3/32"	2.4	15	CCPG-0188-0375-C25	CCPG-0188-0375
1/4"	6.4	7/16"	11.2	3/32"	2.4	24	CCPG-0250-0438-C25	CCPG-0250-0438
5/16"	8	1/2"	12.8	3/32"	2.4	35	CCPG-0313-0500-C25	CCPG-0313-0500
3/8"	9.6	9/16"	14.3	3/32"	2.4	36	CCPG-0375-0563-C25	CCPG-0375-0563
3/32"	2.4	11/32"	8.8	1/8"	3.2		CCPG-0094-0346-C25	CCPG-0094-0346
3/16"	4.8	7/16"	11.2	1/8"	3.2		CCPG-0188-0438-C25	CCPG-0188-0438
1/4"	6.4	1/2"	12.8	1/8"	3.2	26	CCPG-0250-0500-C25	CCPG-0250-0500
3/8"	9.6	5/8"	15.9	1/8"	3.2	73	CCPG-0375-0625-C25	CCPG-0375-0625
1/2"	12.8	3/4"	19	1/8"	3.2	82	CCPG-0500-0750-C25	CCPG-0500-0750
3/4"	19	1"	25.4	1/8"	3.2	90	CCPG-0750-1000-C25	CCPG-0750-1000
5/8"	15.9	7/8"	22.3	1/8"	3.2		CCPG-0625-0875-C25	CCPG-0625-0875
3/8"	9.6	3/4"	19	3/16"	4.8	70	CCPG-0375-0750-C25	CCPG-0375-0750
1/2"	12.8	7/8"	22.3	3/16"	4.8	88	CCPG-0500-0875-C25	CCPG-0500-0875
5/8"	15.9	1"	25.4	3/16"	4.8	89	CCPG-0625-1000-C25	CCPG-0625-1000
3/4"	19	1.125"	28.6	3/16"	4.8		CCPG-0750-1125-C25	CCPG-0750-1125
1"	25.4	1.375"	34.9	3/16"	4.8		CCPG-1000-1375-C25	CCPG-1000-1375

CCPG Pump Tubing

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

