

Watson-Marlow® Pumpsil® Platinum-Cured Silicone Tubing

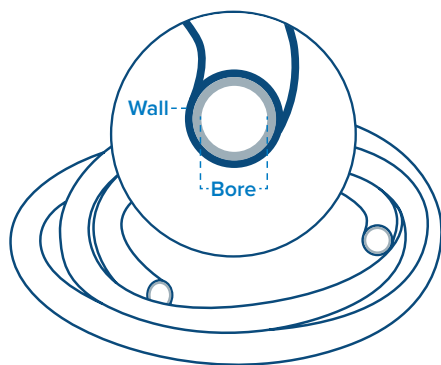
Pumpsil® platinum-cured silicone pump tubing features an ultra-smooth bore to minimize protein binding and bacterial growth.

Each tubing comes with the part number, lot number, and use-by date laser-etched along the length of the tube, ensuring full traceability even when the tubing is removed from the bag. Tubing is manufactured and double-packed in heat-sealed polyethylene bags in an ISO Class 7 cleanroom to ensure that the integrity is not compromised.

WARNING

This product is not approved or intended for, and should not be used for, medical, clinical, surgical, or other patient-oriented applications.

SILICONE TUBING



APPLICATIONS

- Exceptionally pure tubing—ideal for the biopharmaceutical industry
- Ideal for general-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Manufactured to achieve high precision, consistency, and durability
- Operating temperature –20 to 80 °C (–4 to 176 °F)
- FDA, EP 31.9, and USP Class IV compliant
- Sterilize by autoclave, EtO, or gamma irradiation
- Transparent tubing for easy visual flow monitoring
- Flexible tubing with a 60 Shore A durometer
- Free technical application support available to assist with tubing selection

USA	+1.800.323.4340
	+1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
French speaker	+33 (0) 1 87 17 01 42

German speaker	+49 (0) 937 792030
India	+1.800.266.1244
Italy	+39.02.84349215
UK	+44 (0) 1480.272279
All others	+1.847.549.7600

Technical Specifications

Specification	Description
Wall thickness	1.6 or 2.4 mm (0.06 or 0.009 in.)
Spallation	Low
Certification	FDA 21 CFR 177.2600, Ph. Eur. 3.1.9, Regulation (EC) No 1935/2004, USP Class VI
UV resistance	Excellent
Tear B	0.02 to 0.06 kN/m, 200 to 500 ppi
Ultimate tensile strength	1306 psi, 9 MPa
Elongation at break	550% to 1500%
Tensile stress at 100% elongation	8.13 MPa, 1180 psi
Gas permeability rating	Low
Compression set	5% to 42.5%
Water absorption	Low
Shelf life	5 years
Gamma stability	25 to 50 kGy
Autoclave stability	121 °C for 30 minutes
Sterilization methods	Autoclave, EtO, gamma

ASTM methods: Hardness: ASTM D2240; Specific gravity: ASTM D792; Tear B ISO 34-2; Ultimate tensile strength, Elongation at break, Tensile stress at 100% elongation ISO 37; compression set ISO 815-1; ASTM D412

Specification and Ordering Table

Dimensions: in. (mm)			Item number	Reel length (m)
Tubing ID	Tubing OD	Wall		
1/50" (0.5)	9/94" (3.6)	1/16" (1.6)	50130-22	16 (5)
1/32" (0.8)	5/32" (4)	1/16" (1.6)	50130-23	16 (5)
1/16" (1.6)	1/4" (6.4)	3/32" (2.4)	50133-66	16 (5)
1/16" (1.6)	3/16" (4.8)	1/16" (1.6)	50130-24	16 (5)
3/32" (2.4)	7/32" (5.6)	1/16" (1.6)	50133-59	16 (5)
1/8" (3.2)	5/16" (8)	3/32" (2.4)	50133-67	16 (5)
1/8" (3.2)	1/4" (6.4)	1/16" (1.6)	50130-25	16 (5)

Specification and Ordering Table

Dimensions: in. (mm)			Item number	Reel length (m)
Tubing ID	Tubing OD	Wall		
3/16" (4/8)	9/32" (7.2)	3/32" (2.4)	50133-68	16 (5)
3/16" (4/8)	5/16" (8)	1/16" (1.6)	50130-26	16 (5)
1/4" (6.4)	11/32" (9)	3/32" (2.4)	50133-69	16 (5)
1/4" (6.4)	3/8" (9.6)	1/16" (1.6)	50133-57	16 (5)
5/16" (8)	13/32" (10.4)	3/32" (2.4)	50133-76	16 (5)
5/16" (8)	7/16" (11)	1/16" (1.6)	50133-58	16 (5)
3/8" (9.6)	15/32" (12)	3/32" (2.4)	50133-77	16 (5)



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