

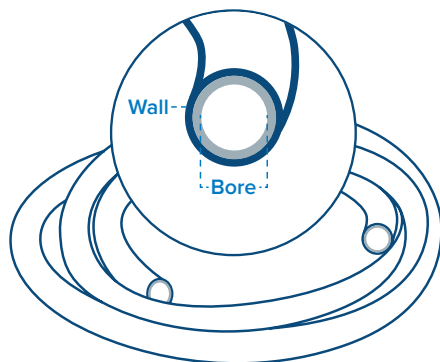
Watson-Marlow Bioprene® Thermoplastic Elastomer (TPE) Pump Tubing

Produced from synthetic components, Bioprene® tubing does not contain any phthalates or latex. This durable tubing offers an exceptionally long service life in peristaltic pumps, minimizing downtime from tubing changes. 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.

THERMOPLASTIC TUBING



APPLICATIONS

- Perfect for biopharmaceutical and food applications such as metering, transfer, and filtration
- Ideal for general-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Offers exceptionally long service life
- Tubing can be sterilized via autoclave and gamma irradiation
- Wide temperature range of 5 to 80 °C (41 to 176 °F)
- Flexible tubing with a 65 Shore A durometer
- Opaque tan tubing offers protection from visible and UV light
- USP Class VI, NSF 51, and FDA compliant

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	+1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
India	+1.800.266.1244

UK	+44 (0) 1480.272279
	+33 (0) 1.87.170142*
	+49 (0) 937.792030*
Italy	+39.02.84349215
All others	+1.847.549.7600

Technical Specifications

Specification	Description
Bore size	0.5 to 9.6 mm (0.02 to 0.378")
Wall thickness	1.6 or 2.4 mm (0.06 or 0.09")
Length	5 or 10 m (16 or 32 ft)
Color	Beige
Transparency	Opaque
Spallation	Low
Certification	FDA 21 CFR 177.2600, NSF 51 listed, USP Class VI
Operating temperature range	5 to 80 °C, 41 to 176 °F
Hardness, Shore A (5 sec)	62 to 68
Specific gravity	0.95 to 0.98 g/ml
UV resistance	Excellent
Ultimate tensile strength	≥798 psi, ≥5.3 MPa
Elongation at break	340% to 600%
Tensile stress at 100% elongation	1.9 to 3 MPa, 28 to 43 psi
Gas permeability rating	Low
Compression set	5% to 42.5%
Water absorption	Low
Shelf life	5 years
Gamma stability	25 to 40 kGy
Autoclave stability	121 °C for 30 minutes
Weight	0.09 to 8 kg
Weight	0.2 to 17.64 lbs

ASTM methods: Hardness: ASTM D2240; Specific gravity: ASTM D792; Tear B, Ultimate tensile strength, Elongation at break, Tensile stress at 100% elongation; ASTM D412

Specification and Ordering Table

Dimensions: in. (mm)			Item Number	Reel Length: ft (m)
Tubing ID	Tubing OD	Wall		
1/50" (0.5)	9/94" (3.6)	1/16" (1.6)	50130-27	16 (5)
1/32" (0.8)	5/32" (4)	1/16" (1.6)	50130-28	16 (5)
1/16" (1.6)	5/32" (4)	3/32" (2.4)	50140-36	16 (5)
1/16" (1.6)	3/16" (4.8)	1/16" (1.6)	50130-29	16 (5)
3/32" (2.4)	7/32" (5.6)	1/16" (1.6)	50130-30	16 (5)
1/8" (3.2)	7/32" (5.6)	3/32" (2.4)	50140-37	16 (5)
1/8" (3.2)	1/4" (6.4)	1/16" (1.6)	50130-31	16 (5)
5/32" (4)	1/4" (6.4)	1/16" (1.6)	50140-35	32 (10)
3/16" (4.8)	9/32" (7.2)	3/32" (2.4)	50140-38	16 (5)
3/16" (4.8)	5/16" (8)	1/16" (1.6)	50130-32	16 (5)
1/4" (6.4)	11/32" (9)	3/32" (2.4)	50140-39	16 (5)
1/4" (6.4)	3/8" (9.6)	1/16" (1.6)	50130-33	16 (5)
5/16" (8)	13/32" (10.4)	3/32" (2.4)	50140-40	16 (5)
5/16" (8)	7/16" (11)	1/16" (1.6)	50130-34	16 (5)
3/8" (9.6)	15/32" (12)	3/32" (2.4)	50140-41	16 (5)



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