

MARPRENE TUBING

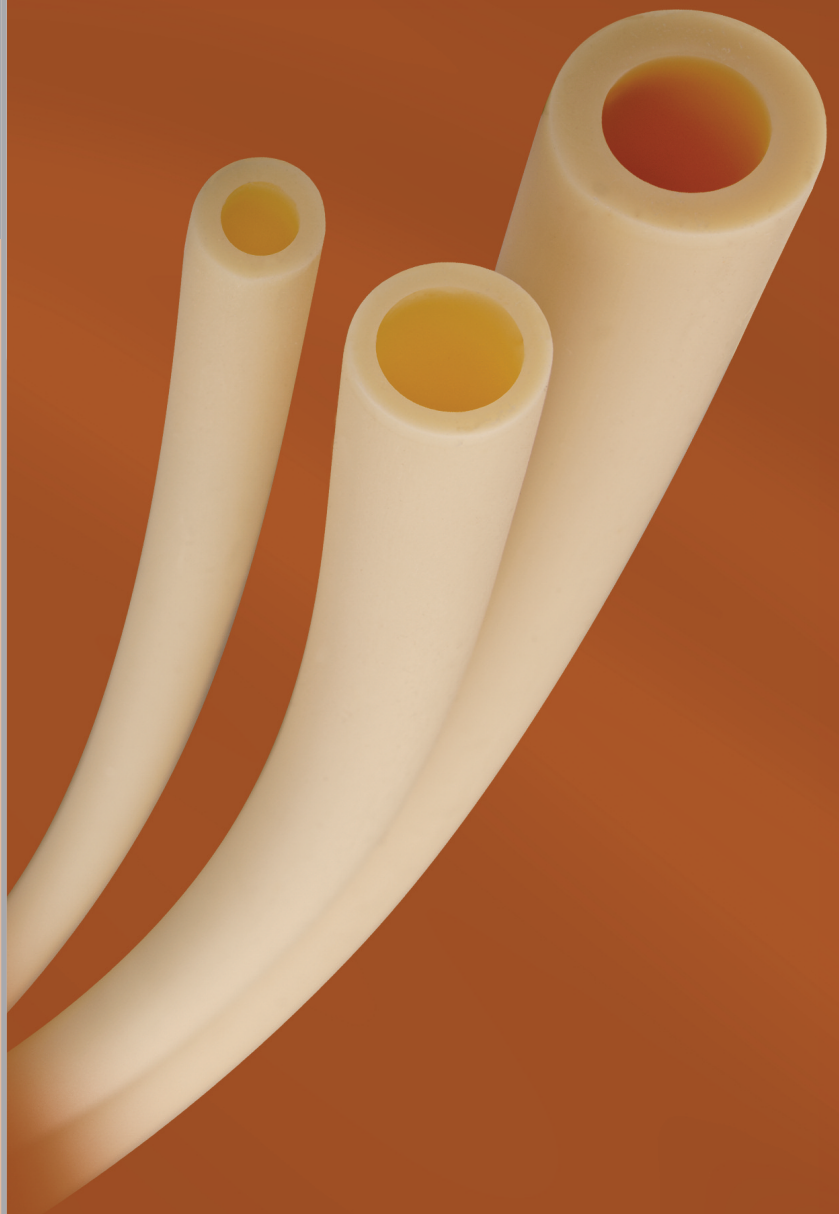
Long-life process tubing

Ideal for:

**High chemical
resistance to
acids and alkalis**

Lasts at least 10 times as long as tubing in other materials. Long-life tubing means stoppages for a tube change are rare events, easily fitted in with general maintenance.

- Wide chemical compatibility
- Opaque to UV and visible light
- Low gas permeability
- Meets FDA standards for handling aqueous foods



MARPRENE TUBING

For long life and chemical compatibility

Marprene offers exceptionally long life and resistance to a wide range of chemicals. It is highly resistant to oxidising agents such as ozone, peroxides and sodium hypochlorite and a first choice for applications including metering tablet-coating materials, pH control and media feed in fermentation and bioreactor metering, as well as pharmaceutical handling, dispensing, metering, transfer and filtration.

Marprene	Typical Values
Material	Thermoplastic elastomer
Colour/transparency	Beige/opaque
Spallation	Fair
Life/hours	313/314 pumpheads - 10,000 620R pumpheads - 6000
Certification	FDA regulations 21 CFR 177.2600 for contact with aqueous food.
Sterilisation methods	Gamma, autoclave, EtO, CIP, SIP
Operating temperature	5C to 80C
Hardness, shore A (5sec)	64 shore: 66; 73 shore: 74; 87 shore: 88
Specific gravity	64 shore: 0.97 73 shore: 0.96; 87 shore: 0.95
Ultimate tensile strength psi	64 shore: 1007; 73 shore: 1410; 87 shore: 2263
Elongation at break, %	64 shore: 367; 73 shore: 525; 87 shore: 987
UV resistance	Excellent
Gas permeability rating	Fair
Water absorption	Low

ASTM methods: Hardness: ASTM D 2240; Specific gravity: ASTM D 792; Tear B, Ultimate tensile strength, Elongation at break, Tensile stress at 100% elongation; ASTM D 412

Tube ordering codes						
Bore		Wall		Coil size		
mm	inch	mm	inch	15m/50ft	5m/16ft	152m/500ft
0.5	1/50	1.6	1/16	902.0005.016	902.0005.J16	902.0005.R16
0.8	1/32	1.6	1/16	902.0008.016	902.0008.J16	902.0008.R16
1.6	1/16	1.6	1/16	902.0016.016	902.0016.J16	902.0016.R16
2.4	3/32	1.6	1/16	902.0024.016	902.0024.J16	902.0024.R16
3.2	1/8	1.6	1/16	902.0032.016	902.0032.J16	902.0032.R16
4.8	3/16	1.6	1/16	902.0048.016	902.0048.J16	902.0048.R16
6.4	1/4	1.6	1/16	902.0064.016	902.0064.J16	902.0064.R16
8.0	5/16	1.6	1/16	902.0080.016	902.0080.J16	902.0080.R16
1.6	1/16	2.4	3/32	902.0016.024	902.0016.J24	902.0016.R24
3.2	1/8	2.4	3/32	902.0032.024	902.0032.J24	902.0032.R24
						122m/400ft
4.8	3/16	2.4	3/32	902.0048.024	902.0048.J24	902.0048.R24
						91m/300ft
6.4	1/4	2.4	3/32	902.0064.024	902.0064.J24	902.0064.R24
						61m/200ft
8.0	5/16	2.4	3/32	902.0080.024	902.0080.J24	902.0080.R24
						91m/300ft
6.4	1/4	2.4	3/32	913.A064.024	913.AJ64.024	913.B064.R24
						61m/200ft
8.0	5/16	2.4	3/32	913.A080.024	913.AJ80.024	913.B080.R24
						46m/150ft
9.6	3/8	2.4	3/32	902.0096.024	902.0096.J24	902.0096.R24
4.8	3/16	3.2	1/8	902.0048.032	-	-
					3m/10ft	91m/300ft
6.4	1/4	3.2	1/8	902.0064.032	902.0064.I32	902.0064.R32
						46m/150ft
9.6	3/8	3.2	1/8	902.0096.032	902.0096.I32	902.0096.R32
12.7	1/2	3.2	1/8	902.0127.032	902.0127.I32	-
15.9	5/8	3.2	1/8	902.0159.032	902.0159.I32	-
8.0	-	4.0	-	902.0080.040	902.0080.I40	-
12.0	-	4.0	-	902.0120.040	902.0120.I40	-
16.0	-	4.0	-	902.0160.040	902.0160.I40	-
9.6	3/8	4.8	3/16	902.0096.048	902.0096.I48	-
12.7	1/2	4.8	3/16	902.0127.048	902.0127.I48	-
15.9	5/8	4.8	3/16	902.0159.048	902.0159.I48	-
19.0	3/4	4.8	3/16	902.0190.048	902.0190.I48	-
25.4	1	4.8	3/16	902.0254.048	902.0254.I48	-