Marprene

Marprene process tubing

Features and benefits

- Wide chemical compatibility
- Opaque to UV and visible light
- Meets FDA 21CRF177.2600 for food contact
  NSF/ANSI 61
- Operating temperature 41 °F to 176 °F
- Available in 30 different bore sizes, different wall thicknesses and three coil lengths
- Also available as Elements



Technical specifications

	Marprene
Bore size	0.02 - 1 in (0.5 - 25.4 mm)
Wall thickness	1.6 - 4.8 mm
Wall thickness	0.0625 - 0.1875 in
Length	3 - 152 m
Colour	Beige
Transparency	Opaque
Spallation	Fair
Certification and compliance	FDA 21CFR177.2600, NSF51 listed, NSF-61
Operating temperature	41 °F to 176 °F (5 °C to 80 °C)
Hardness, shore A (5sec)	62-68
Specific gravity	0.95-0.98 g/cm³
UV resistance	Excellent
Ultimate tensile strength	>798 psi (>5.5 Mpa)
Elongation at break	340-600 %
Tensile stress at 100% elongation	276 - 435 psi (1.9 - 3 MPa)
Gas permeability rating	Fair
Water absorption	Low
Shelf life	5 years

ASTM methods Hardness: ASTM D 2240; Specific Gravity ISO2781:2018; Ultimate Tensile strength, Elongation at Break, tensile stress at 100% elongation ISO 37:2017

Materials of construction

	Marprene
Tubing	Thermoplastic elastomer

Product codes

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
						122m/400ft
8.0	5/16	1.6	1/16	902.0080.016	902.0080.J16	902.0080.R16
						152m/500ft
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
						46m/150ft
9.6	3/8	2.4	3/32	902.0096.024	902.0096.J24	902.0096.R24
					3m/10ft	61m/200ft
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	-

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