

# Prolite<sup>®</sup>

Polypropylene Tubing



**ESOP** Employee Owned  
for Your Benefit

Fluid Transfer Specialists<sup>®</sup>

**Polypropylene Tubing**



- Made of NSF-61 listed, virgin Polypropylene copolymer conforming to FDA requirements for food contact surfaces
- Extremely lightweight, thermoformable, and weldable
- Very low moisture absorption
- High dielectric strength
- Meets UL94 HB burn rating
- Excellent chemical resistance
- Naturally white in color
- Based on its physical properties, PROLITE may be an appropriate alternative to fluoropolymer tubing



**Notes**

PROLITE is a high-crystalline, polypropylene copolymer tubing. The compound used in its manufacture is NSF-61 listed and meets FDA requirements for food contact surfaces. It also meets the UL 94 HB burn rating.

PROLITE is frequently used in food processing and other industries for clean applications. It is a naturally white, semi-rigid product offering limited ability to bend. Since it is weldable, PROLITE may be joined directly, although it is typically joined by means of a push-to-connect fitting such as Newloc®.

Polypropylene is the lightest of all thermoplastic materials. It offers high strength-to-weight ratio, low surface friction, and excellent resistance to corrosion.

**Physical Properties\*\***

Hardness, Rockwell R	75
Tensile Strength, psi	4000
Elongation at Break, %	23
Deflection Temperature, °F, @ 66 psi	173
Notched Izod, foot pound/inch, @ 73°F	10
Flexural Modulus, psi	1.6 x 10 <sup>5</sup>
Max. Operating Temp., °F	125

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.
448 0070	1/8	1/4	1/16	100	272	816	1.5
448 0147	.170	1/4	.040	100	149	447	1.0
448 0224	3/16	5/16	1/16	100	196	588	1.9
448 0301	1/4	3/8	1/16	100	157	471	2.4
448 0378	3/8	1/2	1/16	100	112	336	3.4
448 0455	1/2	5/8	1/16	100	87	261	4.4
448 0609	5/8	3/4	1/16	100	71	213	5.3
448 0651	3/4	1	1/8	50	109	327	13.1
448 0840	1	1-1/4	1/8	50	87	261	17.5

Add length suffix to part number when ordering. Example: 100 ft. of 3/16" I.D. x 5/16" O.D. tubing is part number 448 0224-100.

Sizes larger than 1-1/4" O.D. are available — call for details.

Due to the coil diameter, some larger sizes must ship via truck.

**BOLD** indicates the critical dimension for fittings application.

**Recommended Fittings**

- Newloc® push-to-connect fittings

**Custom Services**

- Size ■ Color ■ And More

Call for more information: **800-506-3924 or 215-526-2300**

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