

# PolyPro

## Polypropylene Tubing

### POLYPRO

ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.	PART NO.
1/8	1/4	272	816	1.5	RF380070
.170	1/4	149	447	1.0	RF380147
3/16	5/16	196	588	1.9	RF380224
1/4	3/8	157	471	2.4	RF380301
3/8	1/2	112	336	3.4	RF380378
1/2	5/8	87	261	4.4	RF380455
.600	3/4	87	261	6.3	RF380532
5/8	3/4	71	213	5.3	RF380609
7/8	1	52	156	7.3	RF380763
1	1-1/4	87	261	17.5	RF380840

Sold by standard coil length only (100 ft.).  
The 1-1/4" O.D. size (and larger sizes) must ship via truck due to the coil diameter.  
Sizes larger than 1-1/4" O.D. are available — call for details.

### Physical Properties\*

Hardness, Rockwell R	85
Tensile Strength, psi	4100
Elongation at Yield, %	11
Deflection Temp., °F, @66psi	257
Notched Izod, foot lb/in	
@ 73°F	1.0
@ 0°F	0.5
Flexural Modulus, psi	1.4 x 10 <sup>5</sup>
Dielectric Strength, v/mil	600

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

- Semiconductor Manufacturing
- Potable Water Systems
- Environmental Monitoring
- Dispensing Equipment
- Food & Beverage Lines
- Compressed Air
- Instrumentation
- Refrigeration
- Housewares & Appliances
- Electric Equipment
- And More

- Made of **virgin polypropylene copolymer, meeting FDA requirements for food contact surfaces**
- Extremely **lightweight, thermoformable, and weldable**
- **Very low moisture absorption**
- **High dielectric strength**
- **Excellent dimensional stability and electrical properties**
- **Good surface hardness and chemical resistance**
- Naturally white in color, easy coloration

POLYPRO is a high-crystalline, random copolymer polypropylene, **good for use in structural systems**. Semi-rigid with limited ability to bend, this product is **often used in the food processing industry for clean applications**.

Since it is weldable, POLYPRO may be joined directly, although it is typically joined by means of a **push-to-connect fitting**. Also, POLYPRO may be **applied as a reasonably priced alternative to PTFE tubing** in many applications.

The combination of polypropylene's properties make it desirable for a broad mix of applications. Polypropylene is the **lightest of all thermoplastic** available today, and, like polyethylene, it floats. It offers a **high strength-to-weight ratio, low surface friction, and excellent resistance to corrosion**. It may be sterilized at temperatures above **212°F**.



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