

# Plastic Tubing and Fittings



**Fittings.** Water King standard systems use polypropylene tubing and Fast & Tite® fittings. Patented Fast & Tite® fittings install in seconds without tools and provide a tight, sure, leak proof seal without clamps or adjustments. A unique 302 stainless steel grab ring for tube retention, coupled with a Nitrile O-Ring for positive seal, assures good tube connection with only hand tight assembly. Vibration or tube movement will not break the seal and cause leakage. Fast & Tite® fittings meet FDA and NSF-51 requirements for food contact.

<b>PRESSURE RATINGS IN PSI FOR FAST &amp; TITE TUBING FITTINGS AT VARYING TEMPERATURES</b>			
Tube O.D.	Up to 75°F	76°F to 125°F	126°F to 175°F
¼"	300	300	300
5/16"	300	300	300
3/8"	250	250	150
½"	200	200	150
5/8"	150	100	50

Ratings are based on use with copper tubing, and in all cases represent the maximum recommended working pressure of the fitting only. Working pressures (vs. temperatures) of other types of tubing may limit the tube and fitting assembly to pressures lower than shown above. Consult factory for recommendations on applications other than shown above.

**TEMPERATURE RANGE:**  
 Black/White Polypropylene: 0°F (-18°C) to +212°F (+100°C)  
 White Nylon: -40°F (-40°C) to +200°F (+93°C)

## CAT372.2

### TUBING

#### Polypropylene

- Polypropylene tubing meets FDA, NSF Standard 51 for all food contact applications
- Polypropylene tubing exhibits excellent chemical resistance to chlorinated water applications
- Polypropylene tubing is commonly used in outdoor applications where UV light stabilization is required.

#### Nylon Tubing

- Flexible Nylon tubing uses high grade resins for strength and flexibility for routing in tight spaces
- Semi rigid high strength Nylon uses high grade resins without the addition of plasticizers for higher pressure tubing applications

#### THERMOPLASTIC TUBING SPECIFICATIONS

O.D.	I.D.	Wall thickness	Wt per 100 ft (lbs)	Working pressure @ 73°F	Box Length	Part No.
<b>POLYPROPYLENE TUBING</b>						
¼"	0.170	0.040	1.10	100	1000'	
⅜"	0.251	0.062	2.50	87	500'	
½"	0.375	0.062	3.40	62	250'	
0°F to 200°F [-18°C to 93°C] Application: Polypropylene PP Food contact and chemical transfer applications, chlorinated water, NSF-51						
<b>NYLON TUBING</b>						
¼"	0.18	0.035	1.1	425	250'	
⅜"	0.279	0.048	2.2	425	250'	
½"	0.375	0.062	3.8	375	250'	
-60°F to 200°F [-51°C to 93°C] Application: High pressure pneumatic, lubrication, and Marine control systems						

