

PE Polyethylene Tubing

To ensure years of worry-free performance, Rain Bird® PE Polyethylene Tubing has been engineered to stand up to harsh chemicals, UV radiation and damage that can be caused by farm equipment.

Features

- Extruded from high quality low density polyethylene blend
- Resin resistant to Ultra-Violet (UV) radiation, cracking, and splitting for reliable operation
- Available in standard coil lengths or large diameter reels
- Pre-installed low profile vine clips available to dramatically reduce installation time and labor cost
- For tubing with wall thickness equal to or greater than 35mil, product backed by Rain Bird Customer Satisfaction Policy which provides protection up to 7 years on product workmanship and 7 years on environmental stress cracking

Applications

- Ideal for all vineyard, orchard, greenhouse or nursery environments including surface, subsurface, or suspension applications
- Well suited for permanent crops, orchard and vineyard applications including grapes, hops, stone fruit, almonds, walnuts, pistachios, blueberries, and pecans
- Optimized to use with on-line emitters, micro-sprays, or other low-volume sprinkler accessories

Ideal for Use With

Micro-Quick™ Sprays and Micro Bird® Spinners:

- Micro-Quick™ Sprays have a unique snap fit assembly for easy maintenance and deflectors feature dual pattern design to allow system to grow along with trees
- Micro Bird® Spinners are ideal for more mature trees and provide a 340-degree pattern design for uniform coverage without wetting tree trunks

Pressure Compensating On-Line Emitters:

- Ideal for low volume precision water applications, the self-piercing inlet with barbed outlet makes installation easy
- Regulating Pressure ranges from 15 to 50 psi (1.0 to 3.5 bar) and flow rates include: 0.5 gph, 1.0 gph, and 2.0 gph (1.89 l/h, 3.79 l/h, and 7.57 l/h)
- Required filtration: 150 to 200 mesh (75 to 100 micron)

Vine Clips:

- Factory installed during extrusion, clips reduce labor and installation time in the field
- Improves control of water placement and easily adjustable to direct water on the plant
- Low profile for mechanical harvesting
- When ordering, please specify clip spacing and tube size. Tube size options include: 16mm 35mil wall, 16mm 45mil wall, 18mm, or 20mm.



How To Specify

PE 520 620 10

Coil Length

Not all tube sizes available in all lengths.
 50 = 500' (152.4m)
 66 = 660' (201.2m)
 10 = 1000' (304.8m)

Tube Outside Diameter

620 = 0.620" (15.7mm)
 660 = 0.660" (16.7mm)
 700 = 0.700" (17.8mm)
 710 = 0.710" (18.0mm)
 790 = 0.790" (20.0mm)
 820 = 0.820" (20.8mm)
 930 = 0.930" (23.6mm)
 940 = 0.940" (23.9mm)
 118 = 1.184" (30.1mm)

Tube Inside Diameter

520 = 0.520" (13.2mm)
 570 = 0.570" (14.5mm)
 600 = 0.600" (15.2mm)
 620 = 0.620" (15.7mm)
 690 = 0.690" (17.5mm)
 720 = 0.720" (18.3mm)
 820 = 0.820" (20.8mm)
 830 = 0.830" (21.1mm)
 106 = 1.060" (26.9mm)

Model

PE - PE Polyethylene Tubing

Technical Information

Nominal Diameter		Wall Thickness	Max. Working Pressure	Model Number*		
Inside	Outside			500' Coil	660' Coil	1000' Coil
0.520" (13.2 mm)	0.620" (15.7 mm)	0.050" (1.27 mm)	66 psi (4.6 bar)	PE52062050		PE52062010
0.540" (13.7 mm)	0.610" (15.5 mm)	0.035" (0.89 mm)	47 psi (3.2 bar)			A51635BLANK
0.540" (13.7 mm)	0.630" (15.7 mm)	0.045" (1.14 mm)	58 psi (4.0 bar)			A51645BLANK
0.570" (14.5 mm)	0.660" (16.7 mm)	0.045" (1.14 mm)	55 psi (3.8 bar)	PE57066050		PE57066010
0.600" (15.2 mm)	0.700" (17.8 mm)	0.050" (1.27 mm)	58 psi (4.0 bar)	PE60070050		PE60070010
0.619" (15.7 mm)	0.709" (18.0 mm)	0.045" (1.14 mm)	51 psi (3.5 bar)			A518BLANK
0.620" (15.7 mm)	0.710" (18.0 mm)	0.045" (1.14 mm)	51 psi (3.5 bar)	PE62071050		PE62071010
0.690" (17.5 mm)	0.786" (20.0 mm)	0.048" (1.22 mm)	50 psi (3.4 bar)			A520BLANK
0.690" (17.5 mm)	0.790" (20.1 mm)	0.050" (1.27 mm)	51 psi (3.5 bar)	PE69079050		PE69079010
0.720" (18.3 mm)	0.820" (20.8 mm)	0.050" (1.27 mm)	49 psi (3.4 bar)	PE72082050		PE72082010
0.820" (20.8 mm)	0.930" (23.6 mm)	0.055" (1.40 mm)	47 psi (3.2 bar)	PE82093050		PE82093010
0.820" (20.8 mm)	0.940" (23.9 mm)	0.060" (1.52 mm)	51 psi (3.5 bar)	PE82094050		PE82094010
0.830" (21.1 mm)	0.940" (23.9 mm)	0.055" (1.40 mm)	46 psi (3.2 bar)	PE83094050		PE83094010
1.060" (26.9 mm)	1.184" (30.1 mm)	0.062" (1.57 mm)	49 psi (3.4 bar)	PE10611850	PE10611866	

*PE with vine clips are special order. Call for ordering information.

Rain Bird® MQT™ Series Polyethylene Distribution Tubing

The Rain Bird® MQT™ Series 1/4" distribution tubing increases installation flexibility by allowing growers to adjust and customize the output device location.

Features

- Constructed of a durable, UV-resistant polyethylene blend
- Textured surface finish for improved handling
- Compatible with 1/4" fittings and barbed outlet ports
- Self extracting coil feature makes it easy to use, store, and eliminates waste
- Available as standalone coil or coil in a bucket

Specifications

- Operating Pressure: 0 to 60 psi (0 to 4.14 bar)
- OD: 0.25" (6.3mm)
- ID: 0.17" (4.3mm)
- Wall Thickness: 0.04" (1mm)
- Coil Length: 1000' (304.8m)



1000' Coil in Bucket
Model# MQTBKT1000
Item# Q10525

1000' Coil
Model# MQT1000
Item# Q10520

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