

## SUBMITTAL SHEET

## PEX

## PEX-B Pipe

PEX tubing is cross-linked, high-density polyethylene. It's available in white, red, or blue colors for easy identification of hot and cold water lines.

The silane method, also called the "moisture cure" method, results in PEX-B. In this method, cross-linking is performed in a secondary post-extrusion process, producing cross-links between a cross-linking agent. The process is accelerated with heat and moisture. The cross-linked bonds are formed through silanol condensation between two grafted vinyltrimethoxysilane (VTMS) units, connecting the polyethylene chains with C-C-Si-O-Si-C-C bridges.<sup>1</sup>

PEX tubing is for use in hot and cold potable water distribution systems as well as hydronic radiant heating systems. PEX tubing can also be used in "continuously recirculating" plumbing systems up to 140° F while maintaining chlorine resistance. The tubing may be installed in concrete, gypsum based lightweight concrete, sand, asphalt, in or under wood flooring, or behind wallboard or plaster.

**Features:**

- Tough
- Flexible
- Less expensive than other plumbing materials
- Copper tube size dimensions (CTS)
- Available in white, red, or blue

**Standards / Certifications:**

- PEX 5006 - SDR 9
- Meets ASTM F876/F877
- cNSFus-pw/rfh
- ANSI/NSF Standards 61 & 14
- cUPC
- CSA B137.5

**Pressure & Temperature:**

- 160 psi @ 73° F, 100 psi @ 180° F

**Installation:**

To cut PEX tubing, use a PEX tubing cutter and cut at a 90° angle. Clear the cut end of any burrs or debris. PEX tubing can be run through holes drilled into the center of studs or by using straps and hangers. Bend supports can be used to make bends and angles instead of having to cut the tubing and use fittings. A variety of barb fittings or push type fittings can be used with PEX tubing. Do not expose PEX tubing to direct sunlight.

It is recommended to insulate hot water lines with standard foam polyethylene pipe insulation to prevent heat loss. If installing in an area that experiences harsh winters, it's recommended to insulate both hot and cold water lines to prevent freezing.

<sup>1</sup> [http://en.wikipedia.org/wiki/Cross-linked\\_polyethylene](http://en.wikipedia.org/wiki/Cross-linked_polyethylene)

Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO Number:	
Representative:	



## Blue PEX Tubing

Part #	Size (CTS)	Length	O.D.	Nom. I.D.
APPB1210	1/2"	10'	0.625±.002	0.485
APPB2012	1/2"	20'	0.625±.002	0.485
APPB10012	1/2"	100'	0.625±.002	0.485
APPB30012	1/2"	300'	0.625±.002	0.485
APPB50012	1/2"	500'	0.625±.002	0.485
APPB3410	3/4"	10'	0.875±.002	0.681
APPB2034	3/4"	20'	0.875±.002	0.681
APPB10034	3/4"	100'	0.875±.002	0.681
APPB30034	3/4"	300'	0.875±.002	0.681
APPB50034	3/4"	500'	0.875±.002	0.681
APPB1001	1"	100'	1.125±.002	0.875

## Red PEX Tubing

Part #	Size (CTS)	Length	O.D.	Nom. I.D.
APPR1210	1/2"	10'	0.625±.002	0.485
APPR2012	1/2"	20'	0.625±.002	0.485
APPR10012	1/2"	100'	0.625±.002	0.485
APPR30012	1/2"	300'	0.625±.002	0.485
APPR50012	1/2"	500'	0.625±.002	0.485
APPR3410	3/4"	10'	0.875±.002	0.681
APPR2034	3/4"	20'	0.875±.002	0.681
APPR10034	3/4"	100'	0.875±.002	0.681
APPR30034	3/4"	300'	0.875±.002	0.681
APPR50034	3/4"	500'	0.875±.002	0.681
APPR1001	1"	100'	1.125±.002	0.875

## White PEX Tubing

Part #	Size (CTS)	Length	O.D.	Nom. I.D.
APPW514	1/4"	5'	0.375±.002	0.260
APPW538	3/8"	5'	0.500±.002	0.360
APPW512	1/2"	5'	0.625±.002	0.485
APPW1012	1/2"	10'	0.625±.002	0.485
APPW2012	1/2"	20'	0.625±.002	0.485
APPW10012	1/2"	100'	0.625±.002	0.485
APPW30012	1/2"	300'	0.625±.002	0.485
APPW50012	1/2"	500'	0.625±.002	0.485
APPW534	3/4"	5'	0.875±.002	0.681
APPW1034	3/4"	10'	0.875±.002	0.681
APPW2034	3/4"	20'	0.875±.002	0.681
APPW10034	3/4"	100'	0.875±.002	0.681
APPW30034	3/4"	300'	0.875±.002	0.681
APPW50034	3/4"	500'	0.875±.002	0.681
APPW51	1"	5'	1.125±.002	0.875
APPW1001	1"	100'	1.125±.002	0.875
APPW3001	1"	300'	1.125±.002	0.875