

Job or Customer :	
Location :	
Engineer :	
<input type="checkbox"/> Complies with Spec <input type="checkbox"/> Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

### Description

PureLink® Plus PEX-a tubing for hot/cold potable water systems or hydronic heating systems is chlorine resistant and chemically stabilized against extended UV exposure. This exceptional UV resistance offered by HeatLink® tubing allows the contractor some added protection if an installation is left exposed longer than expected. The tubing is natural in color with outer red wall to indicate "hot" water line. Covered by a twenty-five year limited manufacturers warranty. Pure-Link® PEX-a tubing is approved for use with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

*The use of PEX tubing in a potable hot-water plumbing system with an operating temperature above 140°F (60°C) or system pressure above 80 psig (550 kPaG) or highly aggressive water quality or any combination thereof can significantly reduce the service life of the tubing.*

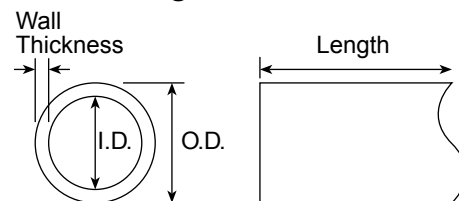
*HeatLink requires following the guidelines described in Plastics Pipe Institute TN-53, Guide to Chlorine Resistance Ratings of PEX Pipes and Tubing for Potable Water Applications and HeatLink INFO 37, Domestic Hot Water Recirculation Systems.*

Qty	Stk. #	Size	Length	Coil O.D. in (mm)	Coil Height in (mm)	Weight lb (kg)
	21105RW	½"	100' Coil	21.25 (540)	3.75 (95)	5.42 (2.46)
	21305RW	½"	300' Coil	22.50 (570)	7.50 (190)	16.25 (7.37)
	21122RW	¾"	100' Coil	23.50 (600)	6.25 (155)	10.22 (4.64)
	21322RW	¾"	300' Coil	22.50 (570)	7.50 (190)	30.66 (13.91)
	21128RW	1"	100' Coil	27.50 (695)	6.50 (160)	16.97 (7.70)
	21328RW	1"	300' Coil	30.50 (775)	11.25 (285)	50.90 (23.09)
	21205RW	½"	20' × 20 Straight Lengths	n/a	n/a	21.66 (9.83)
	21222RW	¾"	20' × 10 Straight Lengths	n/a	n/a	20.44 (9.27)
	21228RW	1"	20' × 5 Straight Lengths	n/a	n/a	16.97 (7.70)

### Technical Data

	Specifications
Material	PEX-a (Engel/peroxide method)
Minimum Bed Radius	6 × Size @ 68°F (20°C)
Coefficient of Thermal Conductivity	2.635 BTU/h/ft <sup>2</sup> /(°F/in) 0.38 W/(m °K)
Rate of Linear Expansion	1.1"/100'/10°F 1.4 × 10 <sup>-4</sup> m/(m °C) @ 20°C
Max. Flow Velocity	13 ft/s (3.96 m/s)

### Dimension Diagram



Size	Average O.D. in (mm)	Min. Wall Thickness in (mm)	Average I.D. in (mm)	Min. Bend Radius in (mm)	Min. Coil I.D. in (mm)	PEX Weight lb/ft (kg/m)	Fluid Volume USG/ft (L/m)	PEX + Water Weight lb/ft (kg/m)
½"	0.625 (15.88)	0.070 (1.78)	0.475 (12.07)	3.0 (77)	15.7 (400)	0.054 (0.081)	0.0092 (0.114)	0.13 (0.195)
¾"	0.875 (22.22)	0.097 (2.47)	0.671 (17.03)	4.5 (115)	18.9 (480)	0.102 (0.152)	0.0184 (0.228)	0.26 (0.380)
1"	1.125 (28.58)	0.125 (3.18)	0.862 (21.89)	6.0 (153)	21.6 (550)	0.170 (0.252)	0.0303 (0.376)	0.42 (0.629)
1¼"	1.375 (34.92)	0.153 (3.88)	1.054 (26.78)	7.5 (191)	24.4 (620)	0.251 (0.374)	0.0453 (0.563)	0.63 (0.937)
1½"	1.625 (41.28)	0.181 (4.59)	1.244 (31.62)	9.0 (229)	31.5 (800)	0.353 (0.525)	0.0631 (0.785)	0.88 (1.310)
2"	2.125 (53.98)	0.236 (6.00)	1.629 (41.37)	12.0 (305)	39.4 (1000)	0.602 (0.896)	0.1083 (1.344)	1.51 (2.240)

**PPI PEX Tubing Ratings**

Temperature (°F / °C)	Plastics Pipe Institute - recommended HDB (psi)	Hydrostatic Design Stress (psi)	Resultant-pressure Rating (psi)
73.4°F / 23°C*	1,250	630	160
180°F / 82.2°C*	800	400	100
200°F / 93.3°C*	630	315	80

\* PureLink Plus® PEX tubing is listed in PPI TR-4 for these pressure/temperature ratings.

**Standards**

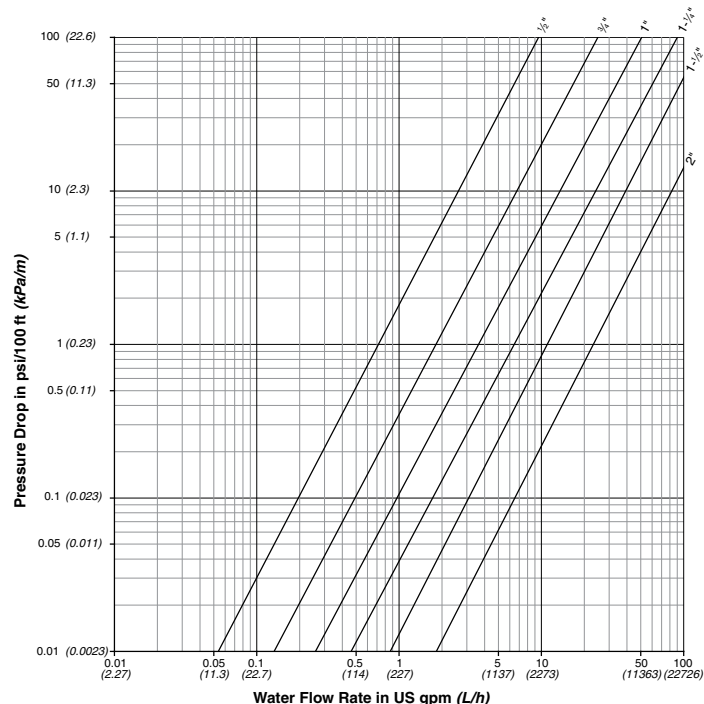
- ANSI/NSF-61
- ANSI/NSF-14
- ANSI/NSF-372
- ANSI/UL 263
- ASTM F876
- ASTM F877
- ASTM F1807
- ASTM F1960
- ASTM F2023

- ASTM F2080
- ASTM F2098
- ASTM F2159
- ASTM F2657
- ASTM E84
- CAN/ULC S101
- CAN/ULC S102.2-2007/2010
- CSA B137.5

**Listings**

- cNSF® us-pw-G – PEX 5106
- ICC-ES PMG 1087
- IAPMO UPC
- PPI TR-4
- CSA B137.5 Potable
- NSF-fs (½" & ¾")
- cQAlus P371
- UL/ULC

Chart settings at 120°F (49°C)



\*\* Requires ½" thick fiberglass insulation

**Plenum Rating**

PureLink Plus PEX-a tubing has been tested in accordance with CAN/ULC S102.2-2007/2010, *Standard for Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and Assemblies* and ASTM E84, *Standard Test Method for Surface Burning Characteristics of Building Materials*.

CAN/ULC S102.2-2007/2010 (Canada)

Product	Size	Limitations		Flame Spread Index (FSI)	Smoke Developed Index (SDI)
		Pipe Insulation Requirements*	Spacing Requirements		
PureLink® Plus	½"	None	Minimum 8"	< 25	< 50
PureLink® Plus	up to 2"	rated ½" (13 mm)	None	≤ 25	≤ 50
PureLink® Plus	up to 2" water filled pipe	optional	None	≤ 25	≤ 50

ASTM E84 (United States)

Product	Size	Limitations		Flame Spread Index (FSI)	Smoke Developed Index (SDI)
		Pipe Insulation Requirements*	Spacing Requirements		
PureLink® Plus	up to 2"	rated ½" (13 mm)	None	≤ 25	≤ 50

**Installation**

Installation of PureLink® and HeatLink® PEX tubing must follow all of HeatLink's instructions and guidelines.

**Related Documents**

- INFO 5 - PEX Tubing Technical Information (L2305)
- PEX-a Potable Water Press System Installation Guide (L3235)
- F1960 PEX-a Potable Water Expansion System Installation Guide (L3240)
- HeatLink Limited Plumbing Warranty