



Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ 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 red printing to indicate “hot” water line. Covered by a twenty-five year limited manufacturers warranty. PureLink® PEX-a tubing is approved for use with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

Technical Data

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

Qty	Stk. #	Size	Length	Coil O.D. in (mm)	Coil Height in (mm)	Weight lb (kg)
	21105	½"	100' Coil	21.25 (540)	3.75 (95)	5.42 (2.46)
	21305	½"	300' Coil	22.50 (570)	7.50 (190)	16.25 (7.37)
	21505	½"	500' Coil	23.25 (585)	11.25 (285)	27.08 (12.28)
	21122	¾"	100' Coil	23.50 (600)	6.25 (155)	10.22 (4.64)
	21322	¾"	300' Coil	22.50 (570)	7.50 (190)	30.66 (13.91)
	21128	1"	100' Coil	27.50 (695)	6.50 (160)	16.97 (7.70)
	21328	1"	300' Coil	30.50 (775)	11.25 (285)	50.90 (23.09)
	21405	½"	12' × 25 Straight Lengths	n/a	n/a	16.25 (7.37)
	21205	½"	20' × 20 Straight Lengths	n/a	n/a	21.66 (9.83)
	21422	¾"	12' × 10 Straight Lengths	n/a	n/a	12.26 (5.56)
	21222	¾"	20' × 10 Straight Lengths	n/a	n/a	20.44 (9.27)
	21228	1"	20' × 5 Straight Lengths	n/a	n/a	16.97 (7.70)

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)
1 ¼"	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)
1 ½"	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
- NSF U.P.Code
- ICC-ES
- ICC-PMG
- IAPMO UPC (½")
- PPI TR-4
- CSA B137.5 Potable
- NSF-fs (½" & ¾")
- Intertek - Certified to: ASTM E84 & CAN/ULC S102.2. Refer to Intertek's Directory of Building Products for detailed information.

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	Flame Spread (FS)	Smoke Development (SD)	Insulation Required	Spacing Requirements
PureLink® Plus	½"	<25	<50	No	Min. 8" (20 cm)
PureLink® Plus	½" - 2"	<25	<50	Yes**	None

** Requires ½" thick fiberglass insulation

ASTM E84 (United States)

Product	Size	Flame Spread (FS)	Smoke Development (SD)	Insulation Required	Spacing Requirements
PureLink® Plus	½" & ¾"	<25	<50	No	Min. 18" (46 cm)
PureLink® Plus	½" - 2"	<25	<50	Yes**	None

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)
- HeatLink Installation Guide (L3390)
- Potable Water Systems Installation Guide (L3235)
- HeatLink Limited Plumbing Warranty

Dimension Diagram

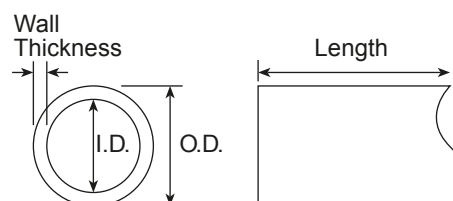


Chart settings at 120°F (49°C)

