

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 or with blue or red printing to indicate "cold" or "hot" water lines. 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.

The flexible, impact resistant PP sheath designed as a raceway for electrical installations provides mechanical and UV protection to the PEX-a carrier tubing. The sheath allows for easy replacement of the PEX-a carrier tubing if needed. Blue and red colored sheaths make for easy identification of "cold" and "hot" water lines.

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	Sheath Color	Sheath O.D. in (mm)	Coil O.D. in (mm)	Coil Height in (mm)	Weight lb (kg)
	92305bs	½"	300'	Coil Blue	0.93 (23.6)	28 (715)	9.75 (245)	25.25 (11.45)
	92305rs	½"	300'	Coil Red	0.93 (23.6)	28 (715)	9.75 (245)	25.25 (11.45)
	92322bs	¾"	300'	Coil Blue	1.33 (33.8)	35 (890)	12 (305)	47.76 (21.66)
	92322rs	¾"	300'	Coil Red	1.33 (33.8)	35 (890)	12 (305)	47.76 (21.66)
	92128bs	1"	100'	Coil Blue	1.50 (38.1)	30.5 (775)	11.25 (285)	22.97 (10.42)
	92128rs	1"	100'	Coil Red	1.50 (38.1)	30.5 (775)	11.25 (285)	22.97 (10.42)

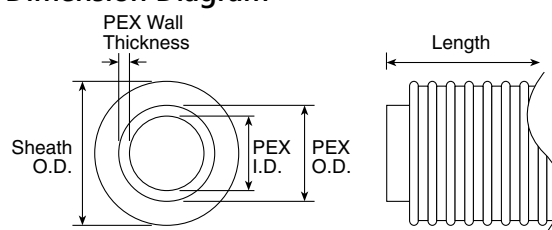
PEX Size	Average O.D. in (mm)	Min. Wall Thickness in (mm)	Average I.D. in (mm)	Min. Bend Radius in (mm)	Fluid Volume USG/ft (L/m)
½"	0.625 (15.88)	0.070 (1.78)	0.475 (12.07)	3.0 (77)	0.0092 (0.114)
¾"	0.875 (22.22)	0.097 (2.47)	0.671 (17.03)	4.5 (115)	0.0184 (0.228)
1"	1.125 (28.58)	0.125 (3.18)	0.862 (21.89)	6.0 (153)	0.0303 (0.376)

Technical Data - PEX Carrier Tube

Specifications

Material	PEX-a (Engel/peroxide method)
Minimum Bed Radius	6× Size @ 68°F (20°C)
Coefficient of Thermal Conductivity	2.635 BTU/h/ft²/(°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)

Dimension Diagram



Standards - PEX Carrier Tube

ANSI/NSF-61	ASTM F2080
ANSI/NSF-14	ASTM F2098
ANSI/NSF-372	ASTM F2159
ANSI/UL 263	ASTM F2657
ASTM F876	ASTM E84
ASTM F877	CAN/ULC S101
ASTM F1807	CAN/ULC S102.2
ASTM F1960	CSA B137.5
ASTM F2023	

Listings - PEX Carrier Tube

cNSF[®] us-pw-G – PEX 5106
ICC-ES PMG 1087
IAPMO UPC
PPI TR-4
CSA B137.5 Potable
NSF-fs (1/2" & 3/4")
cQALus P371
UL/ULC

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.

Technical Data - Corrugated Sheath

Specifications
Material
Operating Temperature
Pinch & Abrasion Resistance
Flammability*

Polypropylene

-40°F to 275°F (-40°C to 135°C) raw material

Good

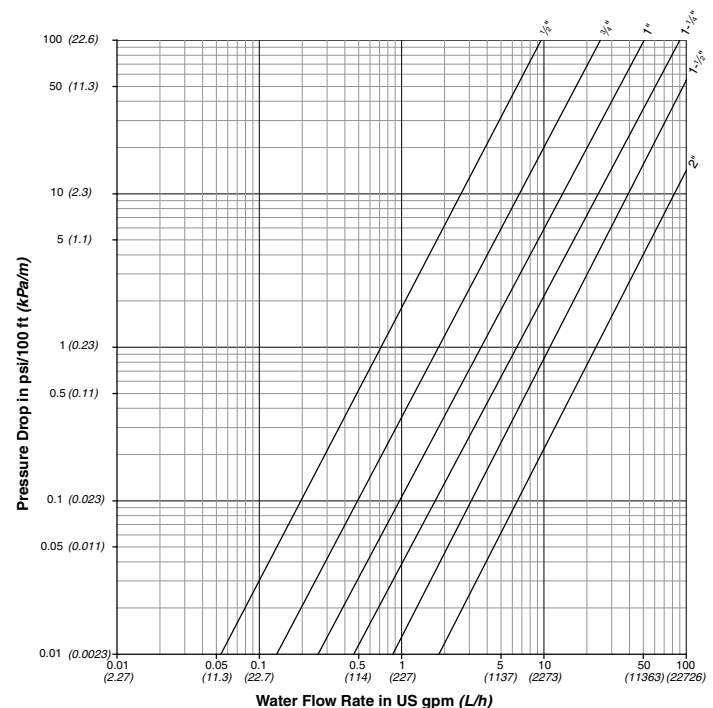
UL94HB

*Based on the UL 94 Standard Tests for Flammability of Plastic Materials.
Classifications are per ASTM test methods for raw material.
Conditions do not apply to finished product.
Materials classified as 94HB meet horizontal burn test requirements.

Standards - Corrugated Sheath

ASTM D4101

Chart settings at 120°F (49°C)



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