

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 :

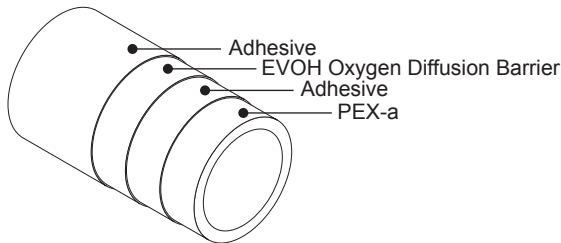
Description

HeatLink® PEX-a tubing for hydronic heating systems comes with an oxygen diffusion barrier which prevents oxygen from entering the heating system through the tubing wall, and is 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 oxygen barrier is covered by a layer of adhesive for protection and noise reduction. The tubing may be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2159 standards. Covered by a twenty-five year manufacturers limited warranty.

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/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

Qty	Stk. #	Size	Length	Coil O.D. in (mm)	Coil Height in (mm)	Weight lb (kg)
	94305FL	½"	300' Coil	30 (762)	4 (102)	16.25 (7.37)
	94105FL	½"	1000' Coil	29 (737)	11.5 (292)	54.16 (24.57)



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)
1/2"	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)

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

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

Standards

- ANSI/NSF-14
- ASTM F876
- ASTM F877
- DIN 4726 (EVOH oxygen barrier)

Listings

- NSF®-rfrh – PEX 0006
- ICC-ES
- ICC-PMG

Dimension Diagram

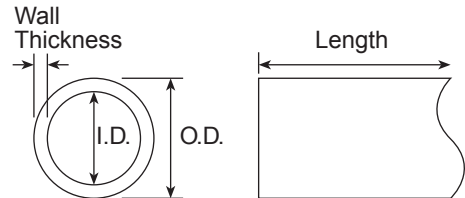
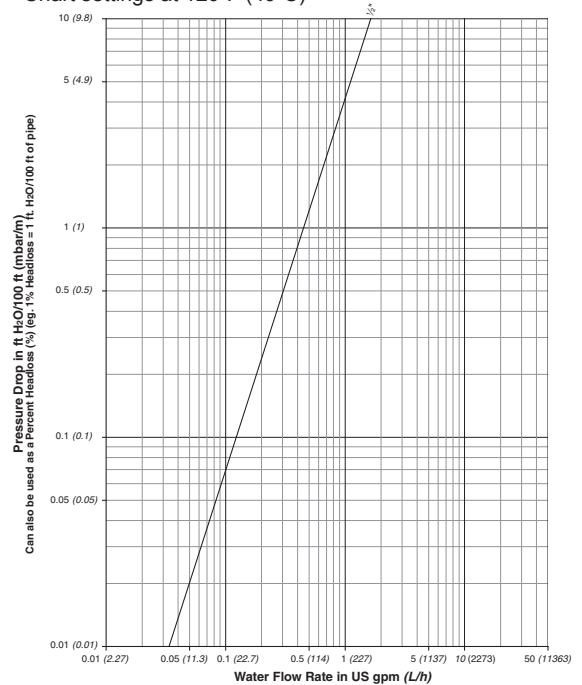


Chart settings at 120°F (49°C)



Installation

Installation of HeatLink® PEX tubing must follow all of HeatLink's instructions and guidelines, including those in the HeatLink Installation Guide, design information, and tubing layout drawings.

Related Documents

- INFO 5 - PEX Tubing Technical Information (L2305)
- HeatLink Installation Guide (L3390)
- HeatLink Limited Heating Warranty