Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ 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.

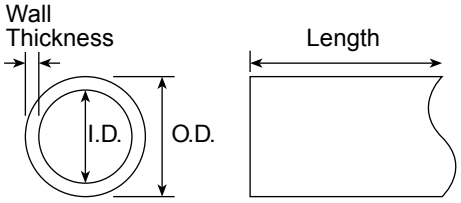
The tubing may be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2159 standards. Covered by a twenty-five year manufacturers limited warranty.

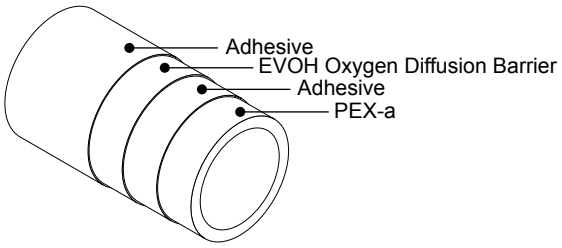
Qty	Stk. #	Size	Length	Coil O.D. in (mm)	Coil Height in (mm)	Weight lb (kg)
	94305FL	½"	300' Coil	30 (762)	4 (102)	16.25 (7.37)
	94105FL	½"	1000' Coil	29 (737)	11.5 (292)	54.16 (24.57)

Technical Data

	Specifications
Material	PEX-a (Engel/peroxide method)
Minimum Bed Radius	6× outside diameter @ 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

Dimension Diagram





©2025 HeatLink Group Inc.

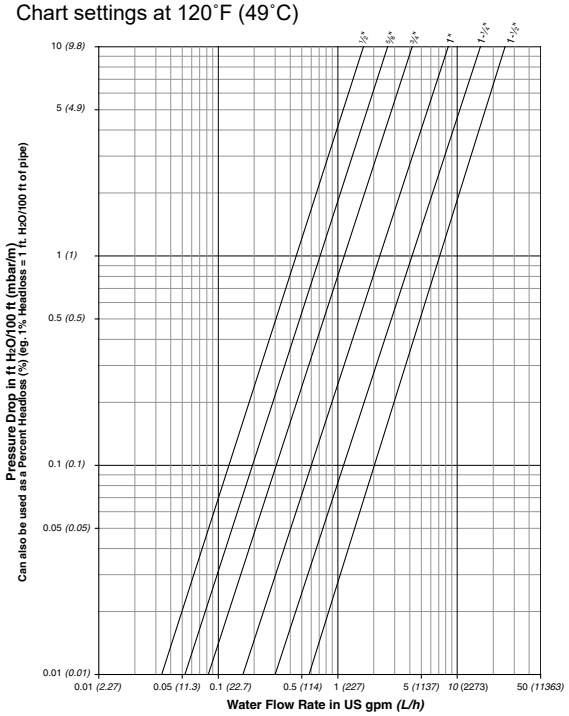
Size	Average O.D. in (mm)	Min. Wall Thickness in (mm)	Average I.D. in (mm)	Min. Bend Radius in (mm)	Min. Coil I.D. in (mm)	PEX Weight lb/ft (kg/m)	Fluid Volume USG/ft (L/m)	PEX + Water Weight lb/ft (kg/m)
½"	0.625 (15.88)	0.070 (1.78)	0.475 (12.07)	3.75 (95)	15.7 (400)	0.054 (0.081)	0.0092 (0.114)	0.13 (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.

Chart settings at 120˚F (49˚C)



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

Listings
NSF®-rfh – PEX 0006
ICC-ES
ICC-PMG

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

All information is subject to change without notice.
Please check our website to ensure you have the latest version of this document.

©2025 HeatLink Group Inc.