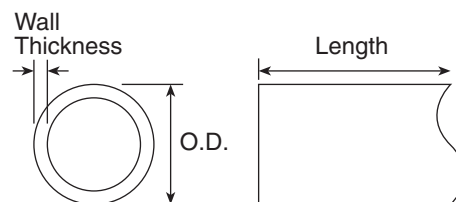


Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

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. Even after an exposure of 12 months, the PEX still offers exceptional performance. Covered by a twenty-five year manufacturers limited warranty.

Qty	Stk. #	Size	Length	Weight	Size	Average O.D.	Min. Wall Thickness	Min. Bend Radius	Fluid Volume
	94305FL	1/2"	300' Coil	17.4 lb (7.9 kg)	1/2"	5/8"	0.070"	3"	0.00921 USG/ft
	94105FL	1/2"	1000' Coil	55.1 lb (25.0 kg)		(15.88 mm)	(1.78 mm)	(77 mm)	(0.1150 L/m)

Material:..... PEX-a (Engel/peroxide method)
Minimum Bend Radius: 6x O.D. @ 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



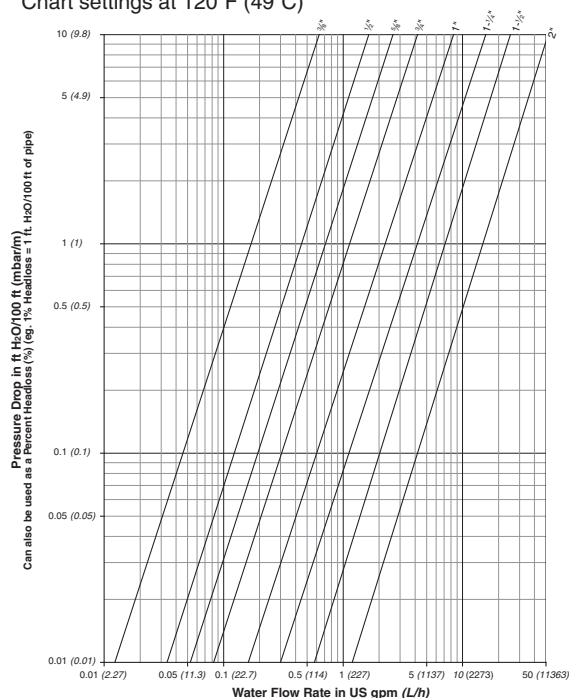
PPI PEX Tubing Ratings

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	Listings
ANSI/UL 263	
ASTM F876/F877, F2159, F1807, F1960, F2098, F2080	cNSF®us-rfh – PEX 0306
ASTM E84 (with insulation)	NSF U.M.Code
CAN/ULC S101	CSA B137.5 RFH
CAN/ULC S102.2-2007 (with and without insulation)	ICC-ES
CSA B137.5	IAPMO UMC
DIN 4726/9 (EVOH oxygen barrier)	PPI TR-4
NSF/ANSI-14	ICC-PMG
SDR 9	Warnock Hersey

Chart settings at 120°F (49°C)



Plenum Rating

HeatLink PEX-a tubing has been tested in accordance with CAN/S102.2-2007, *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 102.2-2007 (Canada)

Product	Size	Flame Spread	Smoke Development	Insulation Required	Spacing Requirements
HeatLink	1/2"	10	25	No	minimum 8"

ASTM E84 (United States)

Product	Size	Flame Spread	Smoke Development	Insulation Required	Spacing Requirements
HeatLink	1/2"	0	30	Yes**	none

** Any insulation jacket can be used provided that it meets the following criteria:

- fiberglass material
- ASTM E84 listed
- Flame Spread of less than 25, and Smoke Developed of less than 50
- wall thickness of 1/2" minimum

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)
- INFO 23 - Firestop System Ratings - CAN/ULC S115-05 & ASTM E814 (L2323)
- INFO 33 - Fire Resistance Ratings - ULC 101 (L2333)
- INFO 34 - Fire Resistance Ratings - ANSI/UL 263 (L2334)
- HeatLink Limited Heating Warranty