

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 :

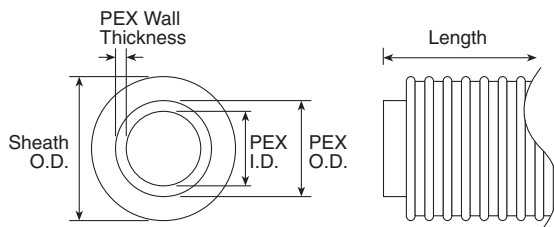
Description

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. Covered by a twenty-five year manufacturers limited warranty.

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. Red colored sheath makes for easy identification of "hot" water lines.

Qty	Stk. #	Size	Length	Sheath Color	Sheath O.D. in (mm)	Weight lb (kg)
	94305rs	½"	300'	Coil Red	0.93 (23.6)	25.25 (11.45)
	94322rs	¾"	300'	Coil Red	1.33 (33.8)	47.76 (21.66)

Dimension Diagram



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)

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.

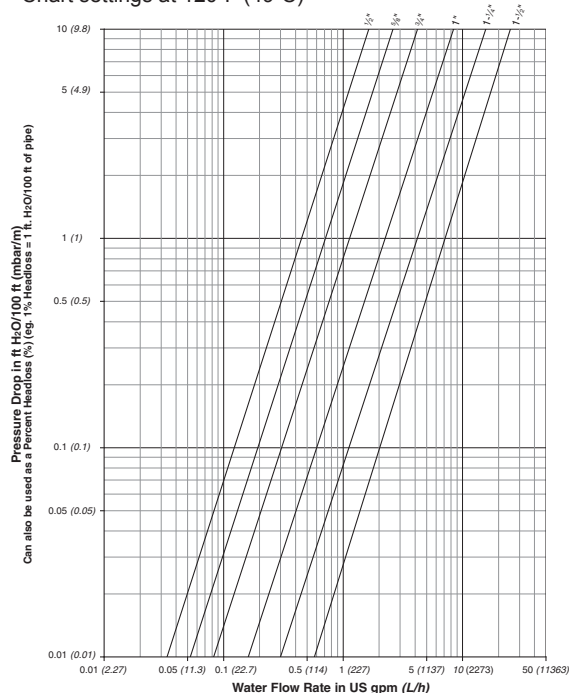
Standards - PEX Carrier Tube

- ANSI/NSF-61
- ANSI/NSF-14
- ANSI/UL 263
- ASTM F876
- ASTM F877
- ASTM F1807
- ASTM F1960
- ASTM F2080
- ASTM F2098
- ASTM F2159
- ASTM F2657
- ASTM E84
- CAN/ULC S101 (all but %")
- CAN/ULC S102.2-2007/2010
- CSA B137.5
- DIN 4726/9 (EVOH oxygen barrier)

Listings - PEX Carrier Tube

- cNSF[®]us-rfh – PEX 0306
- NSF U.M.Code
- CSA B137.5 RFH
- ICC-ES
- ICC-PMG
- IAPMO UMC
- PPI TR-4
- Warnock Hersey

Chart settings at 120°F (49°C)



Standards - Corrugated Sheath

- ASTM D4101

Technical Data - PEX Carrier Tube

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

Technical Data - Corrugated Sheath

Material:..... polypropylene
 Operating Temperature:..... -40°F to 275°F (-40°C to 135°C) raw material
 Pinch & Abrasion Resistance: Good
 Flammability*:..... 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.

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