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. 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.

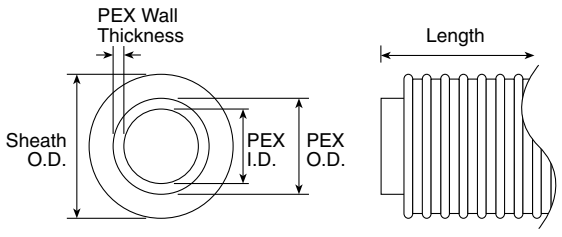
Qty	Stk. #	Size	Length	Sheath Color	Sheath O.D. in (mm)	Weight lb (kg)
	94305rs	½"	300' Coil	Red	0.93 (23.6)	25.25 (11.45)
	94322rs	¾"	300' Coil	Red	1.33 (33.8)	47.76 (21.66)

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)	3.75 (95)	0.0092 (0.114)
¾"	0.875 (22.22)	0.097 (2.47)	0.671 (17.03)	5.25 (133)	0.0184 (0.228)

Technical Data - PEX Carrier Tube

	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



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Standards - PEX Carrier Tube

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 ⅝")
CAN/ULC S102.2-
2007/2010
CSA B137.5
DIN 4726/9 (EVOH
oxygen barrier)

Listings - PEX Carrier Tube

cNSF®us-rfh – PEX 0306
ICC-ES PMG 1087
IAPMO UMC
PPI TR-4
CSA B137.5 RFH
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

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

Technical Data - Corrugated Sheath

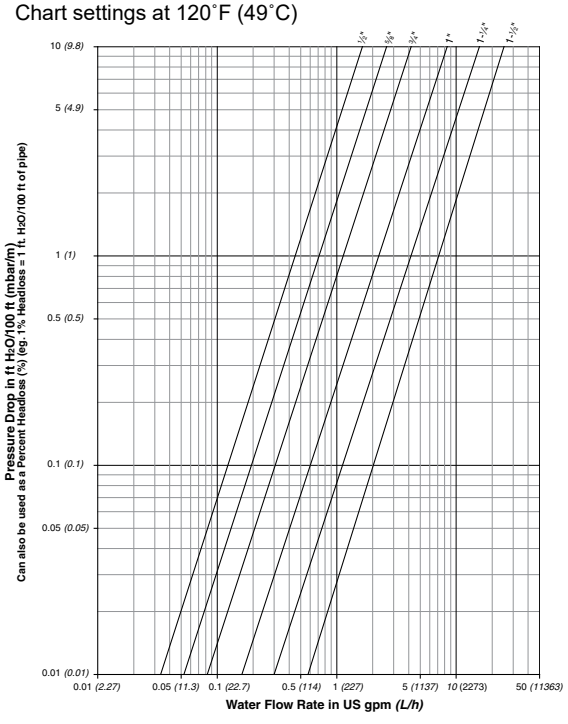
	Specifications
Material	Polypropylene
Operating Temperature	-40ºF to 275ºF (-40ºC to 135ºC) raw material
Pinch & Abrasion Resistance	Good
Flammability*	UL94HB

*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.

Standards - Corrugated Sheath

ASTM D4101

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

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

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