

# EVERHOT INC.

**Barrier and Non-barrier Everhot PEX Tubing  
for Potable Water & Radiant Heating Applications**

## General Technical Information

### Overview

Everhot PEX tubing is a PEX-B tubing, manufactured from a high density polyethylene using a silane method of cross-linking. Currently comes in red, blue and natural white colors.

### Markings

All Everhot PEX tubing is marked with the manufacturer name, code of manufacture, date of manufacture, obtained NSF & third-party certifications, applicable ASTM standards, nominal tubings size, outside diameter, pressure ratings, designations and footage.

### Applications

Everhot PEX tubing can be installed both for residential and commercial plumbing applications. Its most common uses are: distribution of potable water, snow & ice melting systems and radiant floor heating. BLUE and natural WHITE color Everhot PEX tubing is designated for use with potable water & radiant heating applications. RED color Everhot PEX tubing is designated for use with radiant floor heating & snow/ice melting applications only.

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### Minimum bending radius

Minimum bending radius  $R_{\min}$  for Everhot PEX tubing is 8 times the outside diameter (OD).

$$R_{\min} = 8 \times OD$$

Example:  
Minimum bending radius for tubing with nominal size of 1/2" is:  
 $R_{\min} = 8 \times 5/8" = 5"$

### Pressure ratings

OPERATING PRESSURE	MAXIMUM WORKING TEMPERATURE
79psi (0.55Mpa)	200°F (93°C)
100psi (0.69Mpa)	180°F (82°C)
145psi (1.0Mpa)	73°F (23°C)

Available at: 631-240-9173

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## Technical Information (SDR 9 CTS OD)

TUBING SIZE	OD	WALL THICKNESS	ID	VOLUME gal/100'
3/8"	0.500	0.070	0.350	0.50
1/2"	0.625	0.070	0.475	0.92
5/8"	0.750	0.083	0.574	1.34
3/4"	0.875	0.097	0.677	1.83
1"	1.125	0.125	0.863	3.03

## Pressure Drop Table (psi per 100 ft)

PRESSURE LOSS, psi/100'

FLOW RATE, GPM	3/8"	1/2"	5/8"	3/4"	1"
0.5	2.50	0.51	0.21	0.05	0.02
1.0	7.50	1.70	0.71	0.34	0.10
2.0	26.1	5.30	2.12	1.02	0.35
3.0	54.1	11.0	4.36	2.10	0.63
4.0		18.4	7.36	3.53	1.06
5.0		27.4	11.0	5.26	1.58
6.0		38.1	15.3	7.30	2.19
7.0			20.1	9.63	2.89
8.0			25.6	12.3	3.68
9.0			31.7	15.1	4.55
10.0				18.3	5.5
11.0				21.7	6.52
12.0				25.4	7.63
13.0					8.81
14.0					10.1
15.0					11.4
16.0					12.8
17.0					14.3
18.0					15.8
19.0					17.5

## Properties

Coefficient of Linear Thermal Expansion:  $1.5 \times 10^{-4} \times K^{-1}$

Thermal Conductivity: 2.8

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[www.everhotinc.com](http://www.everhotinc.com)

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