

Technical Specifications

PEX Tubing with Oxygen Barrier

Sizes: 3/8", 1/2", 5/8", 3/4" and 1".

PRESSURE RATINGS

Operating Pressure	Maximum working temperature
80 psi	200°F
100 psi	180°F
160 psi	73°F

DIMENSIONAL DATA

Tubing Size	OD	Wall thickness	ID	Volume gal/100'	Weight lbs/100'
3/8"	0.500±0.03	0.070±0.01	0.350	0.50	4.50
1/2"	0.625±0.04	0.070±0.01	0.475	0.92	5.80
5/8"	0.750±0.04	0.083±0.01	0.574	1.34	8.38
3/4"	0.875±0.04	0.097±0.01	0.677	1.83	11.00
1"	1.125±0.05	0.125±0.01	0.863	3.03	16.94

MINIMUM BENDING RADIUS

Minimum bending radius Rmin of Everhot PEX tubing is 8 times the outside diameter (OD):
 $R_{min} = 8 \times OD$

PEX Size	OD	Rmin
3/8"	1/2"	4"
1/2"	5/8"	5"
5/8"	3/4"	6"
3/4"	7/8"	7"
1"	1-1/8"	9"

PRESSURE DROP TABLE (psi per 100ft)

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	5.50
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

MARKINGS

All Everhot PEX tubing is marked with nominal (CTS) and OD sizes, applicable ASTM standards, third party certifications (NSF-rfh), temperature and pressure ratings, material designation code, manufacturing date / time / codes and footage on every 5ft of tubing.

APPLICATIONS

- Radiant heating systems.
- Snow and ice melting systems.
- Baseboard and radiator heating.
- Other hydronic heating applications

SPECIFICATIONS

Everhot PEX tubing with oxygen barrier is manufactured from HDPE using a silane method of cross-linking. Oxygen Diffusion Barrier (EVOH) is per DIN 4726 standard (less than 0.1 grams/cu.m/day). Tubing complies with ANSI/NSF standard 14 for plumbing system components, NSF certified for radiant floor heating applications (NSF-rfh) and UPC listed by IAPMO.

STANDARDS

ASTM F876: Standard Specification for Crosslinked Polyethylene (PEX) Tubing.
 ASTM F877: Standard Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold-Water Distribution Systems.
 CSA B137.5: Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications.
 SDR9 Standard Dimension Ratio.

DESCRIPTION

Everhot Oxygen Barrier type PEX tubing is designed for use in closed-loop applications, including radiant heating and hydronic heating systems, which contain ferrous (cast iron) components, such as circulator pumps, radiators, boiler heating elements and others.

STORAGE

Everhot PEX Tubing shall be stored away from sunlight and shall not be exposed to direct sunlight for more than 30 days. Failure to comply will void the warranty.

WARRANTY

25 year limited warranty. For details, see complete document.

