

Technical Specifications

LEAD-FREE PEX Tubing (Non-Barrier)

Sizes: 3/8", 1/2", 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
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"
3/4"	7/8"	7"
1"	1-1/8"	9"

PRESSURE DROP TABLE (psi per 100ft)

Flow rate (GPM)	3/8"	1/2"	3/4"	1"
0.5	2.50	0.51	0.05	0.02
1.0	7.50	1.70	0.34	0.10
2.0	26.1	5.30	1.02	0.35
3.0	54.1	11.0	2.10	0.63
4.0		18.4	3.53	1.06
5.0		27.4	5.26	1.58
6.0		38.1	7.30	2.19
7.0			9.63	2.89
8.0			12.3	3.68
9.0			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 61-G/ cNSFus-pw-G), temperature and pressure ratings, material designation code, manufacturing date / time / codes and footage on every 5ft of tubing.

APPLICATIONS

- Hot/cold potable water distribution systems.
- Continuous hot water recirculation systems (at 140°F or below).
- Open-loop hydronic heating applications.

SPECIFICATIONS

Everhot non-barrier PEX tubing is manufactured from HDPE using a silane method of cross-linking. Tubing complies with ANSI/NSF 14, 61-G (pw-G) and 372 (lead-free) standards, approved for potable water use in residential and commercial construction and certified to PEX 5006 (replaces NSW cl-r) for hot water recirculation applications. 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.
 ASTM F2023: Oxidative Resistance of PEX Tubing to Hot Chlorinated Water (per NSF P171 Protocol).
 CSA B137.5: Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications.
 SDR9 Standard Dimension Ratio.

DESCRIPTION

Everhot Non-Barrier type PEX tubing is designed for use in hot and cold potable water distribution systems in residential, commercial and manufactured housing applications. It is also suitable for continuous hot water recirculation and for use in open-loop hydronic applications. Available in red and blue colors for easy distinction between hot and cold water lines.

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.

Wetted surface of this product contains less than 0.25% of lead by weight.

