



PRODUCT DATA SHEET



PEXFLOW™
PEX-A TUBING
 COILS & STRAIGHT LENGTHS



Product Application

Potable Water Tubing

Potable water tubing used primarily for water distribution, but can also be used in radiant heating and cooling systems containing no ferrous corrodible components or where ferrous components are isolated from the tubing.

Oxygen Barrier Tubing

Oxygen barrier tubing used for closed-loop heating and cooling applications, including radiant and hydronic distribution. It has an oxygen diffusion barrier that meets German DIN 4726/9. A polyethylene layer is extruded over the oxygen barrier to protect from site abuse and moisture saturation.

Technical Data

Material:

Crosslinked Polyethylene Material; Manufactured using Superior PEX-A Method. Oxygen Barrier tubing has added barrier.

Standard grade hydrostatic ratings:

- 200°F at 80 psi (93°C at 5.5 bar)
- 180°F at 100 psi (82°C at 6.9 bar)
- 73.4°F at 160 psi (23°C at 11 bar)
- ½", ¾", 1", (1¼", 1½" and 2" White only):
- 120°F (49°C) at 130 psi (896 kPa)

Thermal Conductivity:

0.22 BTU/h/ft/°F

Linear Expansion Rate:

1.10"/10°F/100' (27.94mm/5.56°C/30.48m)

Minimum Bend Radius:

6 x OD at 20°C

Installation:

Approved for use with ASTM F1960 & ASTM F1807 connections, in accordance to Pexflow Installation guide.

Approvals:

NSF Certified to ASTM F876/877 & CSA B137.5-2017 / 2011a - per NSF/ANSI 14, NSF/ANSI 61 & NSF/ANSI 372

Standards:

ANSI/NSF 14; ANSI/NSF 61; ASTM F876; ASTM F877; ASTM F1960; ASTM F2023; ASTM E84; CAN/ULC S102.2; ASTM E119/UL 263; CAN/ULC S101; ASTM E814/ULC S115; AWWA C904; CSA B137.5; CSA B214

Plenum Rating:

25 flame spread / 50 smoke developed to ASTM E84:

- 1/2" and 3/4" with spacing of 18" between each run of tubing
- 1" through 2" when insulated with 1/2" fiberglass insulation

CAN/ULC S102.2:

- 1/2" through 1" with spacing of 18" between each run of tubing
- 1-1/4" through 2" when insulated with 1/2" fiberglass insulation

| Tube Dimensions | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|
| Size | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" |
| OD | 0.625" | 0.875" | 1.125" | 1.375" | 1.625" | 2.125" |
| ID | 0.475" | 0.671" | 0.862" | 1.054" | 1.244" | 1.629" |

Available Sizes

| Potable | 20' Straight | | | | | | 100' Coils | | | | | | 300' Coils | | | | | | 500' Coils | | | 1000' Coils |
|---------|--------------|------|----|--------|--------|----|------------|------|----|--------|--------|----|------------|------|----|--------|--------|----|------------|------|----|-------------|
| | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | 1/2" |
| ■ RED | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | 1/2" |
| ■ BLUE | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | - | - | - | 1/2" | 3/4" | 1" | 1/2" |
| ■ WHITE | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1/2" |

| Barrier | 20' Straight | | | | | | 100' Coils | | | | | | 300' Coils | | | | | | 500' Coils | | | 1000' Coils |
|---------|--------------|------|----|--------|--------|----|------------|------|----|--------|--------|----|------------|------|----|--------|--------|----|------------|------|----|-------------|
| | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1/2" |
| ■ WHITE | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 1/2" | 3/4" | 1" | 1/2" |