



PEX-A OXYGEN BARRIER PIPE

Product Application

PEX-A Oxygen Barrier piping is used for closed-loop heating systems. This piping has an additional layer of EVOH that protects the inner tubing from physical site abuse and from moisture saturation.

Technical Data

Materials:

PEX-A Oxygen Barrier pipe construction is crosslinked polyethylene with three layers manufactured using peroxide method in accordance to ASTM F876 and F877 and tested to German DIN 4726.

Approvals:

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

Standards:

- ANSI/NSF14, ANSI/NSF 61
- ASTM E84, ASTM F876, ASTM F877, ASTM F1960, ASTM F2023
- CAN/ULC S101 and ULC S102.2
- AWWA C904
- Certified by ICC-ES to meet PMG-1559 standard

Minimum Bend Radius:

6 x OD at 68°F (20°C)

Linear Expansion Rate:

1.10"/10°F/100'

Plenum Rating:

25 flame spread and 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

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)

Installation:

Approved for use with ASTM F1807 (Crimp) and ASTM F1960 (Cold Expansion) systems. The pipe and fittings must be installed per Jones Stephens installation guidelines.



AVAILABLE SIZES

PART NO.	DESCRIPTION	OD	TOLERANCE	WALL THICKNESS	TOLERANCE
F76817	1/2" x 20' Natural Oxygen Barrier, 25 Straights	0.625"	±0.004"	0.070"	+0.010"
F76818	1/2" x 100' Natural Oxygen Barrier, Coil	0.625"	±0.004"	0.070"	+0.010"
F76819	1/2" x 300' Natural Oxygen Barrier, Coil	0.625"	±0.004"	0.070"	+0.010"
F76820	1/2" x 500' Natural Oxygen Barrier, Coil	0.625"	±0.004"	0.070"	+0.010"
F76821	1/2" x 1000' Natural Oxygen Barrier, Coil	0.625"	±0.004"	0.070"	+0.010"
F76822	5/8" x 20' Natural Oxygen Barrier, 15 Straights	0.750"	±0.004"	0.083"	+0.010"
F76823	5/8" x 100' Natural Oxygen Barrier, Coil	0.750"	±0.004"	0.083"	+0.010"
F76824	5/8" x 300' Natural Oxygen Barrier, Coil	0.750"	±0.004"	0.083"	+0.010"
F76825	5/8" x 400' Natural Oxygen Barrier, Coil	0.750"	±0.004"	0.083"	+0.010"
F76826	5/8" x 1000' Natural Oxygen Barrier, Coil	0.750"	±0.004"	0.083"	+0.010"
F76827	3/4" x 100' Natural Oxygen Barrier, Coil	0.875"	±0.004"	0.097"	+0.010"
F76828	3/4" x 300' Natural Oxygen Barrier, Coil	0.875"	±0.004"	0.097"	+0.010"
F76829	3/4" x 500' Natural Oxygen Barrier, Coil	0.875"	±0.004"	0.097"	+0.010"
F76830	3/4" x 1000' Natural Oxygen Barrier, Coil	0.875"	±0.004"	0.097"	+0.010"

