

# Mr PEX® Tubing – Submittal

## Product Description

Mr PEX® Tubing with Oxygen Diffusion Barrier is a crosslinked Polyethylene Tubing with gel content of minimum 70% in accordance with ASTM D 2765. It is crosslinked in extrusion by the use of peroxides, a PEX-a process in accordance with ASTM F 876. It is equipped with an outside oxygen diffusion barrier made of ethylene vinyl alcohol (EVOH) in order to meet the requirements of DIN 4726 / DIN 4729 of less than 0.10 g/(sq.m. x day) at 104°F.

Nominal Size	Outside	Inside	Coil Lengths	Bend Radii	Capacity
3/8"	1/2"	0.349"	600'	2.5"	0.50 g/100 ft.
1/2"	5/8"	0.474"	300', 500', 1,000', 1,200', 1,600'	3.5"	0.92 g/100 ft.
5/8"	3/4"	0.584"	330', 1,000'	4.5"	1.39 g/100 ft.
3/4"	7/8"	0.670"	300', 500'	5.5"	1.83 g/100 ft.
1"	1.125"	0.867"	300'	7"	3.07 g/100 ft.

## Temperature and Pressure Rating

Mr PEX® Tubing carries Standard Grade Rating (= highest possible) issued by Plastics Pipe Institute as follows:

**73.4°F: 160 psi | 180°F: 100 psi | 200°F: 80 psi**

## Fittings

Mr PEX® Tubing is connected using Mr PEX® Compression Fittings consisting of a Nut, a Compression Ring, and an Insert. These fittings are certified by NSF International (NSF-rfh) to meet requirements of ASTM F 877.

## Listing, Standards

**ASTM:** Mr PEX® Tubing is certified to meet ASTM F 876 and 877.

**PPI:** Mr PEX® Tubing is temperature and pressure rated by Plastics Pipes Institute—Standard Grade Rating.

**NSF:** Mr PEX® Tubing is certified by NSF International for Radiant Floor Heating Systems (NSFrhh).

**CSA:** Mr PEX® Tubing is manufactured to CSA B 137.5.

**ICBO:** ICBO-ES listing is pending.

## Manifolds

Mr PEX® Tubing, when used for Radiant Floor Heating and Snowmelt Systems, are hooked up to Mr PEX Manifolds available in Supply, Return, and Basic versions as described in separate information.

## Design, Installation

Mr PEX® Tubing shall be installed in accordance with Radiant Panel Association Installation Guidelines. Installed Tubing must be pressure tested in accordance with local codes before enclosure.

Mr PEX® Tubing radiant systems shall be designed utilizing Mr PEX Radiant Design Software.

Do not allow water in embedded Tubing to freeze. Limit exposure to direct sunlight (max 2–3 weeks).

There are several tools & accessories available for simplifying installations. Please refer to “Mr PEX® Parts” and “Radiant Benefits” informational leaflets.

**Limited Warranty:** 25 years (refer to detailed warranty text).