

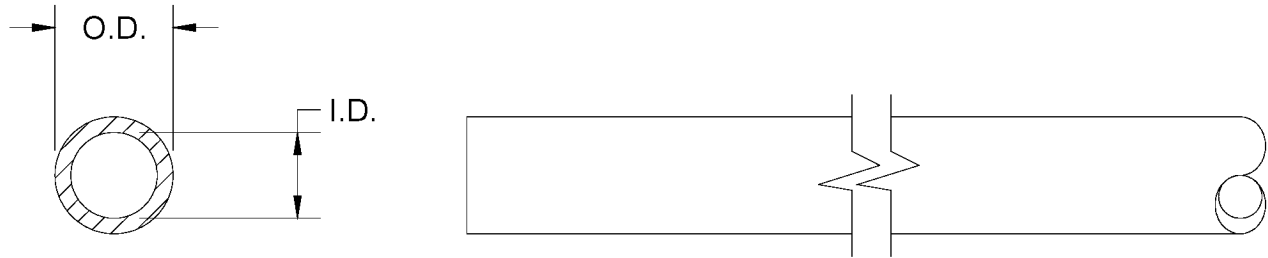


# QESTPEX TUBING

3/8, 1/2, 5/8, 3/4 AND 1" NON BARRIER PEX

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Dimensional Data: inches and [mm] are Subject to Manufacturing Tolerances and Change without Notice



**ENGINEERING SPECIFICATION:** Radiant floor heating tubing shall be cross-linked high density polyethylene. Tubing shall be produced by using the silane method of cross-linking and shall meet the dimension and performance specifications of ASTM F876/F877 and CSA B137.5. Tubing shall also comply with ANSI/NSF 61 as suitable for use with potable water. Temperature and pressure ratings shall be 160 PSI at 73 degrees F, 100 PSI at 180 degrees F, and 80 PSI at 200 degrees F.

QEST DESIGNATION	NOM. SIZE (CTS)	AVG. O.D.	AVG. I.D.	MIN. WALL	WT. PER 100 FT.	AVG. FLUID CAP.
Q2P	3/8"	1/2"	.350	.070	4.19	.0050 gal/ft
Q3P	1/2"	5/8"	.475	.070	5.40	.0092 gal/ft
QJP	5/8"	3/4"	.574	.083	7.80	.0134 gal/ft
Q4P	3/4"	7/8"	.671	.097	10.20	.0184 gal/ft
Q5P	1"	1-1/8"	.862	.125	16.62	.0303 gal/ft

**Description:**

Qest manufactures two types of PEX tubing: QestPEX (Oxygen Barrier) tubing and QestPEX (Non Barrier) tubing. Both pipes are identical except QestPEX (Oxygen Barrier) tubing has EVOH oxygen diffusion barrier applied on its exterior. This barrier limits oxygen permeation through the tubing wall in hydronic heating applications and contributing to corrosion of ferrous metal parts in the heating system. QestPEX (Non Barrier) tubing can be used in heating systems where there are no ferrous metal parts used or where the ferrous metals are isolated from the tubing with a corrosion resistant heat exchanger or other means. Corrosion Inhibitor may be used to protect ferrous metal components but strict attention must be kept to maintain acceptable inhibitor levels, otherwise system failures can occur.

**QestPEX Storage - Warning:**

Like most plastic materials, all cross-linked polyethylene is subject to ultraviolet (UV) deterioration and must not be exposed to sunlight, either direct or indirect. Storage outside is not recommended but if this becomes necessary, the tubing must be covered with a material which will protect it from ultraviolet light. Failure to do so will void the warranty.

**Applications:**

- residential, commercial and industrial radiant floor/wall/ceiling heating
- potable water systems
- snow and ice melt systems
- soil conditioning in greenhouse/stadium applications
- hot water baseboard heating distributions
- water distribution piping to manifolds, hydronic coils in air handlers, etc.
- radiant cooling
- underground fluid distribution
- anywhere that hot or cold fluid distribution is needed (within the temperature and pressure limitations)
- fiber optic cable distribution

**Warranty:**

Qest (a Zurn Industries, Inc. operation) offers a limited 25 year warranty. Please see form QTW12-00 for complete warranty information.

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