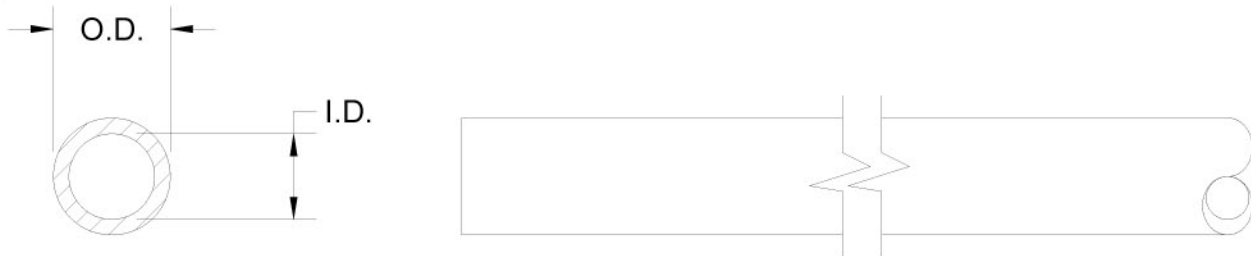




Pex-Al-Pex Tubing

1/2" Pex-Al-Pex Tubing Specification Sheet

Dimensional Data: Inches and [mm] are subject to manufacturing tolerances and change without notice.



Zurn Designation	Nom. Size (CTS)	Avg. O.D.	Avg. I.D.	Min. Wall	Wt. Per 100 Ft.	Avg. Fluid Cap.
Q3PAPX	1/2"	.636"	.490"	.065"	6.48 lbs	.0098 gal/ft

Engineering Specification: Radiant floor heating tubing shall be coextruded cross-linked polyethylene composite pressure pipe with a welded aluminum tube reinforcement between the inner and outer layers. Tubing shall meet the dimension and performance specifications of ASTM F1281. The aluminum inner layer shall limit oxygen diffusion to a rate of .006g/m³/day at 104°F (40°C) water temperature. Temperature and pressure ratings shall be 200 PSI at 73°F, 125 PSI at 180°F, and 100 PSI at 200°F.

Description

Zurn Pex-Al-Pex tubing having an aluminum layer between two PEX layers. This aluminum layer limits oxygen permeation through the tubing wall in hydronic heating applications that can contribute to corrosion of ferrous metal parts in the heating system. 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.

PEX Storage – Caution

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
- 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 non-potable hot or cold fluid distribution is needed (within the temperature and pressure limitations)

Warranty

Zurn offers a limited 25-year warranty. Please see Form ZPM08202-R for complete warranty information.