

Hydro-Air Systems, Inc.

Advanced Technology for Water Distribution

Hydro-Heat PEX Specification Sheet

Engineering Specification:

Tubing shall be cross-linked high density polyethylene with EVOH oxygen barrier used for radiant heating applications. Tubing shall be manufactured by using the irradiation method of cross-linking and meet the performance and dimensional standards of ASTM F876/877 and CSA B137.5. Tubing shall be listed to NSF/ANSI 14 as suitable for radiant floor heating and meet the chlorine resistance requirements of ASTM F876 when tested in accordance with ASTM F2023. Tubing must be listed by NSF to be in compliance with the Uniform Plumbing Code.

Tubing must be manufactured to design temperature and pressure ratings of 160 psi @ 73⁰F, 100 psi @ 180⁰ F and 80 psi @ 200⁰F.

Applications:

Hydro-Heat PEX is designed for use in radiant heating systems or anywhere water distribution is needed such as piping to manifolds or hydronic coils. Hydro-Heat PEX must be installed in accordance with the Radiant Panel Associations Guidelines and follow all applicable local and state plumbing codes.

Hydro-Heat PEX Tubing Specifications, ASTM F876/877 SDR-9

Nominal Size	Nominal O.D. Inches	Mean Wall Thickness Inches	Nominal I.D. Inches	Weight per 100 feet Pounds
3/8"	0.500	0.070	0.350	4.13
1/2"	0.625	0.075	0.475	5.35
3/4"	0.875	0.097	0.671	10.23
1"	1.125	0.125	0.863	16.89
1 1/4"	1.375	0.153	1.054	25.85