

Product Description

Pipex Pex-a tubing is the most suitable solution for hot/cold water distribution and radiant heating systems. Its flexibility and ease of installation make it a better option than copper. It features an oxygen diffusion barrier compliant with German standard DIN 4726/9.

Physical Properties

Material	Crosslinked Polyethylene type "a"
Density	≥ 0.059 lb/ft ³
Crosslinking degree	≥ 70%
Roughness	0.275 inch

Thermal Properties

Thermal conductivity	0.22 BTU/h/ft/°F
Coefficient of linear expansion	1.1"/10°F

ASTM F876: Hydrostatic Design Stresses and Pressure Ratings for SDR 9 PEX Tubing for Water at Different Temperatures

Rated Temperature °F	Hydrostatic Design Stress (psi)	Pressure Rating for Water (psi)
73	630	160
180	400	100
200	315	80

Dimensions

Dimensions	I.D.	O.D.	Wall Thickness	Coil/Pack weight
3/8"	0.360"	0.500"	0.070"	4.96 - 45.63 lbs
1/2"	0.485"	0.625"	0.070"	5.42 - 52.96 lbs
5/8"	0.584"	0.750"	0.083"	7.44 - 75.98lbs
3/4"	0.681"	0.875"	0.097"	10.25 - 100.22 lbs
1"	0.875"	1.125"	0.125"	17.17 - 170.96 lbs
1 ¼"	1.069"	1.375"	0.153"	24.8 - 284 lbs
1 ½"	1.263"	1.625"	0.181"	34.3 - 343 lbs
2"	1.653"	2.125"	0.236"	58.5 - 585 lbs

*Straight length of 10' and 20' are available

Applications

- Radiant floor heating
- Cooling systems
- Hot and cold water distributions
- Industrial facilities
- Ice and snow melting systems
- Surface heating/cooling (floor, wall, and ceiling)



Standards

- ASTM F876
- ASTM F877
- ASTM F1960
- NSF/ANSI 14
- NSF/ANSI 61
- CSA B137.5

Listings

- NSF 14
- cNSFus-rfh
- ICC-ES



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