

PEX pipe Pre-Insulated

PIPEX[®]
THINK FLEXIBLE
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The insulated pipe is made of polyethylene (PE) foam. This foam provides excellent protection and exceptional resistance against abrasion. In addition, it is light, flexible, and has a high thermal insulation capacity, which makes it ideal for various applications. **It is compatible with PEX-a, PEX-a with Oxygen barrier, PEX-b and PEX-b with Oxygen barrier**, guaranteeing efficient and durable installation in all types of piping systems.

PEX pipe: Physical properties

Material	Crosslinked Polyethylene
Density	≥0.059 lb/ft ³
Crosslinking degree	≥70%

PEX pipe: Thermal properties

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

PE foam: Technical data sheet

Material	Polyethylene foam (PE)
Density	1.873 lb/ft ³
Working temperature range	From -49 °F to 221 °F
Fire reaction (EN 13501:2009)	BL-s1, d0
Steam permeability (UNI EN 13469:2004)	μ > 5000
Thermal conductivity coefficient @40 °C (EN 12667:2001)	λ=0.039 W/m*K
Thermal conductivity coefficient @10 °C (EN 12667:2001)	λ=0.035 W/m*K
Thermal conductivity coefficient @0 °C (EN 12667:2001)	λ=0.034 W/m*K



Foam thickness available in
0.24 inches and 0.39 inches

Colors

- Red (hot)
- Blue (cold)

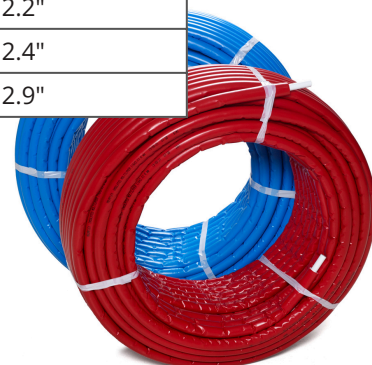
Pre-Insulated dimensions

PEX pipe inches	Foam mm	Foam inches	Insulated PEX plus Foam in mm	Insulated PEX plus Foam inches
1/2"	6	0.24"	27,88	1.1"
3/4"	10	0.39"	42,22	1.7"
1"	10	0.39"	48,58	1.9"
1 ¼"	10	0.39"	54,92	2.2"
1 ½"	10	0.39"	61,28	2.4"
2"	10	0.39"	73,98	2.9"

Foam available with other thickness, like: ½", ¾"

Applications

- Underfloor heating and heating
- Cooling systems
- Hot and cold water distribution
- Industrial facilities
- Snow and ice removal systems on surfaces
- Surface heating / cooling (floor, wall and ceiling)



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