

Pre-insulated Uponor AquaPEX® with ½" Insulation, Coils

Submittal information
Revision J: Sept. 25, 2017

Project information

Job name:	
Location:	Part No. ordered:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Service pipe:	Crosslinked polyethylene PEX-a Engel method tubing encased in ½" PEX-foam insulation; PEX 5106
Insulation:	Multi-layered, closed-cell, crosslinked polyethylene foam
Thermal conductivity:	0.250 Btu.in/sq.ft.h.degF
Operating condition limits: (hydrostatic ratings)	200°F (93°C) at 80 psi (551 kPa) 180°F (82°C) at 100 psi (689 kPa) 73.4°F (23°C) at 160 psi (1,103 kPa) ½"-2" Uponor AquaPEX® White only: 120°F (49°C) at 130 psi (896 kPa)
Linear expansion rate:	1.10"/10°F/100' (27.94mm/5.56°C/30.48m)



Product information and application use

Pre-insulated Uponor AquaPEX® tubing is durable, flexible, corrosion-resistant and encased in ½" PEX-foam insulation to insulate potable water lines and meet national, state and local energy codes. The tubing is approved for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems containing no ferrous corrodible components or where ferrous components are isolated from the tubing. This product is approved for direct burial in soil and concrete.

✓ Description	Part number	Outside diameter (O.D.)	Heat loss (at 70° Delta T)	R-value	Coil size (O.D. x width)	Weight (lb./coil)
½" Pre-insulated AquaPEX with ½" insulation, 100-ft. coil	F6040500	1.81"	7.4 BTU/hr/ft	3.9	32.38" x 12.40"	8.0 lbs.
¾" Pre-insulated AquaPEX with ½" insulation, 100-ft. coil	F6040750	2.06"	9.0 BTU/hr/ft	3.6	32.38" x 12.40"	12.8 lbs.
1" Pre-insulated AquaPEX with ½" insulation, 100-ft. coil	F6041000	2.31"	10.6 BTU/hr/ft	3.4	57.00" x 10.00"	21.0 lbs.
1¼" Pre-insulated AquaPEX with ½" insulation, 100-ft. coil	F6041250	2.56"	12.1 BTU/hr/ft	3.3	59.00" x 10.00"	30.0 lbs.
1½" Pre-insulated AquaPEX with ½" insulation, 100-ft. coil	F6041500	2.81"	13.6 BTU/hr/ft	3.2	59.00" x 10.00"	42.0 lbs.
2" Pre-insulated AquaPEX with ½" insulation, 100-ft. coil	F6042000	3.31"	16.5 BTU/hr/ft	3.1	64.00" x 11.00"	65.0 lbs.

Installation

Approved fitting system is ProPEX®. ¹ Refer to the ProPEX Connections Instructional Guide, Uponor Piping Pocket Guide, Plumbing Design Assistance Manual (PDAM), Complete Design Assistance Manual (CDAM), Hydronic Piping Design Assistance Manual (HPDAM) or AquaSAFE™ Residential Fire Sprinkler Installation Guide for more information.

Listings²

cNSFus-fs³; cNSFus-pw; cQAlus⁵; UL; CSA; PPI TR-4; ICC-ES; IAPMO; CCMC

Codes

ICC; IPC; IMC; IRC; UPC; UMC; NSPC; HUD; UFGS; NPC of Canada; NBC of Canada

Standards

ANSI/NSF 14; ANSI/NSF 61; ASTM F876; ASTM F877; ASTM F1960; ASTM F2023; ASTM E84⁵; CAN/ULC S102.2⁵; ASTM E119/UL 263; CAN/ULC S101; ASTM E814/ULC S115; AWWA C904⁴; CSA B137.5; CSA B214; UL 1821³; ULC/ORD-C199P³

Related applications

PEX-a plumbing systems
Radiant heating and cooling systems
AquaSAFE™ fire safety systems
Hydronic piping systems

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¹ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.; ² Visit listing agency's website for complete information; ³ For ¾", 1" and 1¼" tubing only; ⁴ For ¾" tubing and larger; ⁵ See listings/standards for un-insulated Uponor AquaPEX.