

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

Submittal Information

Revision H: May 19, 2015

### 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:	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 offers all the benefits of Uponor AquaPEX (durable, flexible, corrosion-resistant) but 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 not intended for direct-burial applications in soil or concrete.

✓ Description	Part Number	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®<sup>1</sup>. The product is not intended for direct-burial applications in soil or concrete. Refer to the Uponor AquaPEX Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

### Listings<sup>2</sup>

cNSFus-fs<sup>3</sup>; cNSFus-pw; cQAIus<sup>5</sup>; UL; CSA; WH<sup>5</sup>; ETL<sup>5</sup>; PPI TR-4; ICC-ES; IAPMO; BMEC; 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 E84<sup>5</sup>; CAN/ULC S102.2<sup>5</sup>; ASTM E119/UL 263; CAN/ULC S101; ASTM E814/ULC S115; AWWA C904<sup>4</sup>; CSA B137.5; CSA B214; UL 1821<sup>3</sup>; ULC/ORD-C199P<sup>3</sup>

### Related Applications

Uponor Plumbing Systems  
Radiant Heating and Cooling Systems  
AquaSAFE™ Fire Safety Systems  
Hydronic Piping Systems

### Contact Information

Uponor, Inc.  
5925 148th Street West  
Apple Valley, MN 55124 USA  
Phone: 800.321.4739  
Fax: 952.891.2008  
www.uponorpro.com

Uponor Ltd.  
2000 Argentia Rd., Plaza 1, Ste. 200  
Mississauga, ON L5N 1W1 CANADA  
Phone: 888.994.7726  
Fax: 800.638.9517  
www.uponorpro.com

<sup>1</sup>ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.; <sup>2</sup>Visit listing agency's website for complete information; <sup>3</sup>For ½", ¾", 1", 1¼", 1½" and 2" tubing only; <sup>4</sup>For ¾" tubing and larger; <sup>5</sup>See listings/standards for un-insulated Uponor AquaPEX.