

## ASTM Ecoflex® Potable PEX

Submittal Information

Revision D: Dec. 20, 2010

### 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; PEX 5006; NSF-certified SDR-9

Insulation: Multilayered, closed-cell, crosslinked polyethylene (PEX) foam insulation with a thermal conductivity of 0.26 BTU in./sq.ft./hour/°F; vapor permeability of 0.1g/100 sq. in./day

Jacket: Corrugated, seamless high-density polyethylene (HDPE); UV-protected

Operating Limits: 200°F at 80 psi (93°C at 5.5 bar)

180°F at 100 psi (82°C at 6.9 bar)

73°F at 160 psi (23°C at 11.0 bar)



### Product Information and Application Use

The ASTM Ecoflex® Potable PEX product features Uponor AquaPEX® service pipe protected by multilayer PEX-foam insulation and covered by a corrugated, waterproof HDPE jacket. Use ASTM Ecoflex Potable PEX for hot and cold potable-water applications.

✓ Description	Part Number	Service Pipe O.D.	Service Pipe I.D.	Foam Thickness	Insulation Value	Bend Radius	Weight (lbs./ft.)
1" Potable PEX with 5.5" Jacket, 600-ft. coil	5215510	1.125"	0.862"	1.85"	R-6.85	10"	0.75 lbs.
1¼" Potable PEX with 5.5" Jacket, 500-ft. coil	5215513	1.375"	1.054"	1.73"	R-6.41	12"	0.85 lbs.
1½" Potable PEX with 6.9" Jacket, 300-ft. coil	5216915	1.625"	1.244"	2.13"	R-7.89	16"	1.40 lbs.
2" Potable PEX with 6.9" Jacket, 300-ft. coil	5216920	2.125"	1.629"	1.93"	R-7.15	18"	1.80 lbs.
3" Potable PEX with 7.9" Jacket, 300-ft. coil	5217930	3.125"	2.398"	1.93"	R-7.15	32"	2.80 lbs.

### Installation

Install Ecoflex Potable PEX in hot or cold potable-water applications. Join pipes using Uponor ProPEX® or WIPEX™ fittings.<sup>1</sup> Ecoflex End Caps are required on all exposed ends of Ecoflex pipes to avoid ground water contamination. For additional information, refer to the Uponor Pre-insulated Pipe Systems Design and Installation Manual.

### Standards

CSA B137.5; ASTM F876; ASTM F877; ASTM F1960; ASTM F2023; ASTM E84; ASTM E119/UL 263; NSF/ANSI Standard 14; NSF/ANSI Standard 61; AWWA C904<sup>2</sup>

### Codes

UPC; IPC; NSPC; NPC of Canada

### Listings

NSF/ANSI 14- and 61-certified; NSF-pw

### Related Applications

Pre-insulated Pipe Systems  
Permafrost Prevention Systems  
Plumbing Systems

### Contact Information

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<sup>1</sup>ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

<sup>2</sup>This standard applies to ¾" Uponor AquaPEX tubing and larger.