

ASTM Ecoflex® Potable PEX

Submittal Information
Revision E: Feb. 3, 2014

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 5106; 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 ²	Bend Radius	Weight (lbs./ft.)
¾" Potable PEX with 2.7" Jacket, 1,000-ft. coil	5212775	0.875"	0.671"	0.71"	R-3.43	6"	0.35 lbs.
1" Potable PEX with 2.7" Jacket, 1,000-ft. coil	5212710	1.125"	0.862"	0.59"	R-2.71	8"	0.38 lbs.
1" Potable PEX with 5.5" Jacket, 600-ft. coil	5215510	1.125"	0.862"	1.85"	R-10.30	10"	0.75 lbs.
1¼" Potable PEX with 5.5" Jacket, 500-ft. coil	5215513	1.375"	1.054"	1.73"	R-9.07	12"	0.85 lbs.
1½" Potable PEX with 6.9" Jacket, 300-ft. coil	5216915	1.625"	1.244"	2.13"	R-11.26	16"	1.40 lbs.
2" Potable PEX with 6.9" Jacket, 300-ft. coil	5216920	2.125"	1.629"	1.93"	R-9.50	18"	1.80 lbs.
3" Potable PEX with 7.9" Jacket, 300-ft. coil	5217930	3.125"	2.398"	1.93"	R-8.96	32"	2.80 lbs.

Installation

Install Ecoflex Potable PEX in hot or cold potable-water applications. Join pipes using Uponor ProPEX® or WIPEX™ fittings.¹ 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 C904³

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

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 Road, Plaza 1, Suite 200
Mississauga, ON L5N 1W1 CANADA
Phone: 888.994.7726
Fax: 800.638.9517
www.uponorpro.com

¹ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

²R-value is normalized based on the nominal foam thickness for a circular shape.

³This standard applies to ¾" Uponor AquaPEX tubing and larger.