ASTM Ecoflex® Potable PEX Plus

Submittal Information
Revision E: Nov. 11, 2023

Project Information

Job Name:

Location: Part No. Ordered:

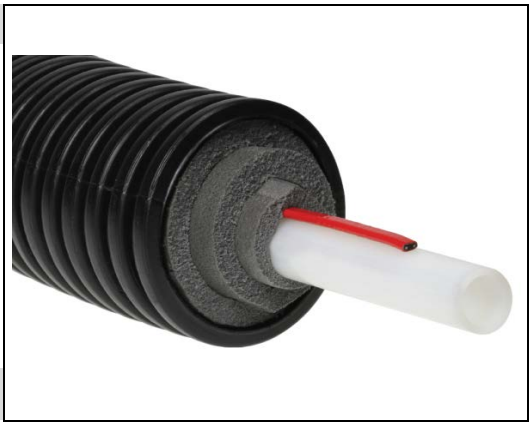
Engineer: Date Submitted:

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
Heat-trace Cable	Self-regulating heating cable (usage "W" in Canada and installation Type A and Industrial Pipe and Vessel Tracing in the U.S.A.); 240V, W, A, 5W/ft. at 50°F (10°C); 194°F (90°C) maximum; 25A
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.)
☐	1" Potable PEX with 5.5" Jacket, 600-ft. coil	52155510	1.125"	0.862"	1.85"	R-10.30	10"	0.75 lbs.
☐	1¼" Potable PEX with 5.5" Jacket, 500-ft. coil	52155513	1.375"	1.054"	1.73"	R-9.07	12"	0.85 lbs.
☐	1½" Potable PEX with 6.9" Jacket, 300-ft. coil	52169515	1.625"	1.244"	2.13"	R-11.26	16"	1.40 lbs.
☐	2" Potable PEX with 6.9" Jacket, 300-ft. coil	52169520	2.125"	1.629"	1.93"	R-9.50	18"	1.80 lbs.
☐	3" Potable PEX with 7.9" Jacket, 300-ft. coil	52179530	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 C904[3]

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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[1]ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.
[2]R-value is normalized based on the nominal foam thickness for a circular shape.
[3]This standard applies to ¾" Uponor AquaPEX tubing and larger.