

## Ecoflex® Potable PEX Plus

Submittal information  
Revision C: Sept. 13, 2018

### 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 5206; NSF-certified SDR-9
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.
Insulation:	Multilayered, closed-cell, crosslinked polyethylene (PEX) foam Density: 1.87 lb/ft <sup>3</sup> (30 kg/m <sup>3</sup> ) Thermal conductivity: 0.25 BTU in./sq.ft./h/°F (0.036 W/m·K) Vapor permeability: 0.1g/100 in <sup>2</sup> /day
Jacket:	Corrugated, seamless high-density polyethylene (HDPE); UV-protected
Operating limits:	200°F at 80 psi (93.3°C at 5.5 bar) 180°F at 100 psi (82.2°C at 6.9 bar) 73°F at 160 psi (23°C at 11.0 bar)



### Product information and application use

Ecoflex® Potable PEX Plus features Uponor AquaPEX® service pipe with a heat-trace cable running the length of the pipe to provide energy-efficient freeze protection. The pipe and heat-trace cable is protected by multilayer PEX-foam insulation and covered by a corrugated, waterproof HDPE jacket. Use Ecoflex Potable PEX Plus for hot and cold potable-water applications.

✓ Description	Part number	Service pipe O.D.	Service pipe I.D.	Insulation thickness	Insulation value <sup>1</sup>	Bend radius	Weight
1 ¼" Potable PEX Plus with 5.5" Jacket, 5 W/ft.	54555513	1.375"	1.054"	1.65"	R-6.66	12"	1.05 lbs./ft.

### Installation

Install Ecoflex Potable PEX Plus in hot or cold potable-water applications. Join pipes using Uponor ProPEX® or WIPEX™ fittings.<sup>2</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; NSF/ANSI Standard 14; NSF/ANSI Standard 61; AWWA C904<sup>3</sup>

### Codes

UPC; UMC; IPC; IMC, NSPC; NPC of Canada; National Electrical Code; Canadian Electrical Code, part 1

### Listings

NSF/ANSI 14- and 61-certified; NSF-pw; cCSAus C22.2 No. 130-03 (R2012) ANSI/IEEE 515-2011

### Related applications

Pre-insulated pipe systems  
Permafrost prevention systems  
PEX-a plumbing systems

### Contact information

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<sup>1</sup>R-value is normalized based on the nominal foam thickness for a circular shape.

<sup>2</sup>ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

<sup>3</sup>This standard applies to ¾" Uponor AquaPEX tubing and larger.