

## ASTM Ecoflex® Potable HDPE

Submittal Information  
Revision D: July 14, 2010

### Project Information

Job Name:	
Location:	Part No. Ordered:
Engineer:	Date Submitted:
Contractor:	Submitted By:
Manufacturer's Representative:	Approved By:

### Technical Data

Service Pipe:	High-density polyethylene (HDPE); NSF certified SDR-11
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 HDPE; UV-protected
Operating Limits:	-30°F to 73°F at 160 psig (-34°C to 23°C at 11.0 bar) -30°F to 100°F at 125 psig (-34°C to 38°C at 8.6 bar) -30°F to 120°F at 101 psig (-34°C to 49°C at 6.9 bar) -30°F to 140°F at 80 psig (-34°C to 60°C at 5.5 bar)



### Product Information and Application Use

Uponor's ASTM Ecoflex® Potable HDPE features high-density polyethylene (HDPE) service pipe protected by multilayer PEX-foam insulation and covered by a corrugated, waterproof HDPE jacket. Use Ecoflex Potable HDPE for cold potable-water, cooling and low-temperature heating applications.

✓ Part Description	Part Number	Service Pipe O.D.	Service Pipe I.D.	Foam Thickness	Insulation Value	Bend Radius	Weight (lb./ft.)
1¼" Potable HDPE with 5.5" Jacket, 300-ft. coil	5115513	1.660"	1.368"	1.54"	R-5.70	14"	1.0 lbs.
1½" Potable HDPE with 5.5" Jacket, 300-ft. coil	5115515	1.900"	1.554"	1.42"	R-5.26	18"	1.0 lbs.
2" Potable HDPE with 5.5" Jacket, 300-ft. coil	5115520	2.375"	1.943"	1.18"	R-4.37	30"	1.4 lbs.
3" Potable HDPE with 6.9" Jacket, 300-ft. coil	5116930	3.500"	2.860"	1.18"	R-4.37	32"	2.4 lbs.
4" Potable HDPE with 7.9" Jacket, 300-ft. coil	5117940	4.500"	3.680"	1.06"	R-3.93	48"	3.6 lbs.

### Installation

Install Ecoflex Potable HDPE in cold potable-water, chilled-water, cooling and low-temperature heating applications. Join pipes through fusion welding, electro-fusion fittings or HDPE compression fittings (not sold by Uponor). For additional information, refer to the Uponor Pre-insulated Pipe Systems Design and Installation Manual.

### Standards

PE 3408, PE 3608 or PE 3454; AWWA C906; ASTM F714; NSF/ANSI Standard 61

### Codes

UPC; IPC; NSPC

### Listings

NSF/ANSI 61-certified or NSF-pw

### Related Applications

Pre-insulated Pipe Systems  
Radiant Heating and Cooling Systems  
Snow and Ice Melting Systems  
Permafrost Prevention Systems  
Turf Conditioning Systems

### Contact Information

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