

ASTM Ecoflex® Potable HDPE

Submittal Information
Revision F: Nov. 24, 2015

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 0.25 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:	-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 ¹	Bend Radius	Weight (lb./ft.)
1¼" Potable HDPE with 5.5" Jacket, 300-ft. coil	5115513	1.660"	1.368"	1.54"	R-7.57	14"	1.0 lbs.
1½" Potable HDPE with 5.5" Jacket, 300-ft. coil	5115515	1.900"	1.554"	1.42"	R-6.75	18"	1.0 lbs.
2" Potable HDPE with 5.5" Jacket, 300-ft. coil	5115520	2.375"	1.943"	1.18"	R-5.36	30"	1.4 lbs.
3" Potable HDPE with 6.9" Jacket, 300-ft. coil	5116930	3.500"	2.860"	1.18"	R-5.27	32"	2.4 lbs.
4" Potable HDPE with 7.9" Jacket, 300-ft. coil	5117940	4.500"	3.680"	1.06"	R-4.76	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; NPC of Canada

Listings

NSF/ANSI 61-certified or cNSFus-pw; U.P. Code

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