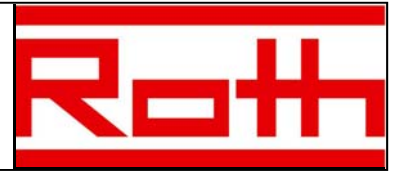


Submittal Data Sheet

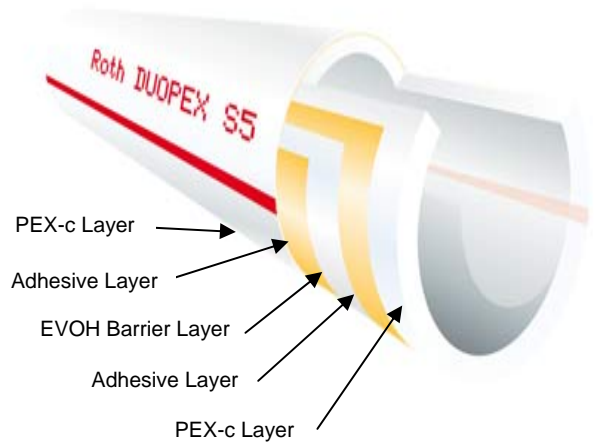


Roth Part #	Item Description	Manufacturer
Various	DuoPex S5	Roth Industries

Job _____ Engineer _____
 Contractor _____ Representative _____

Application:
 Hydronic radiant heating and snow melting systems utilizing water or a water/glycol mix as the heat transfer media.
 May also be used as transfer lines for baseboard heating systems with a maximum operating temperature of 200°F.

Description:
 DuoPex S5 is a five layer PEX-c oxygen barrier pipe.
 The five-layer pipe consists of an oxygen barrier layer of ethylene vinyl alcohol polymer (EVOH) encapsulated between two layers of PEX-c and two layers of adhesive.



Part #	Description	I.D. (O.D.) In.	Fluid Content per 100' (gal.)	Weight Per Coil
<input type="checkbox"/> 2342129000	3/8" Coil x 300'	.375 (.500)	0.53	14 lbs
<input type="checkbox"/> 2342129300	3/8" Coil x 1000'	.375 (.500)	0.53	46 lbs
<input type="checkbox"/> 2342159000	1/2" Coil x 300'	.485 (.625)	0.96	18 lbs
<input type="checkbox"/> 2342159100	1/2" Coil x 600'	.485 (.625)	0.96	35 lbs
<input type="checkbox"/> 2342159300	1/2" Coil x 1000'	.485 (.625)	0.96	57 lbs
<input type="checkbox"/> 2342159301	1/2" Coil x 2000'	.485 (.625)	0.96	120 lbs
<input type="checkbox"/> 2342199100	5/8" Coil x 450'	.584 (.750)	1.39	36 lbs
<input type="checkbox"/> 2342199101	5/8" Coil x 600'	.584 (.750)	1.39	48 lbs
<input type="checkbox"/> 2342199300	5/8" Coil x 1600'	.584 (.750)	1.39	134 lbs
<input type="checkbox"/> 2342229000	3/4" Coil x 300'	.681 (.875)	1.89	34 lbs
<input type="checkbox"/> 2342229100	3/4" Coil x 500'	.681 (.875)	1.89	56 lbs
<input type="checkbox"/> 2342229300	3/4" Coil x 1000'	.681 (.875)	1.89	115 lbs
<input type="checkbox"/> 2342289000	1" Coil x 300'	.875 (1.125)	3.12	53 lbs

Approved fitting systems:
 May be joined using fitting systems certified to ASTM F-877, F-1807, F-2159 or F-2098

Manufactured and tested according to the following standards:

ASTM F876/F877 - Standard Specification for Crosslinked Polyethylene (PEX) Tubing and Plastic Hot- and Cold-Water Distribution Systems

CSA B137.5 - Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications

NSF/ANSI Standard 14 - Plastic Piping System Components and Related Materials - Certified for radiant floor applications. (NSF-rfh)

DIN 4726 - Oxygen Diffusion

PPI TR-3 - Standard Grade Hydrostatic Ratings
 160 psi @ 73.4°F, 100 psi @ 180°F
 80 psi @ 200°F

Technical Specifications:
 Thermal Conductivity - 0.22 Btu/h/ft/°F
 Linear Expansion - 1.1"/10°F/100ft

Effective Date: October 2010

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