PureLink

SUBMITTAL SHEET

Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO Number:	
Representative:	

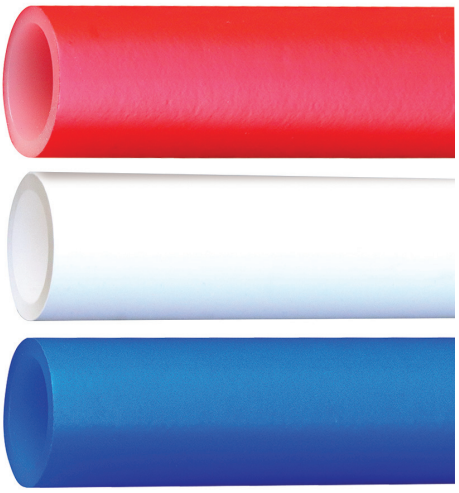
Expansion PEX
PEX-A Pipe

PEX-A pipe is cross-linked, high-density polyethylene. All PureLink is available in red, white and blue for easy identification of hot, cold, and main water lines. Apollo uses the high-pressure peroxide method of cross-linking which is also known as PEX-A.

PureLink pipe is produced using the high-pressure peroxide method for crosslinked polyethylene (PEXa) in accordance with ASTM F876, F877, CSA B137.5 and PPI TR-3, and is certified to NSF 14/61 standards. PureLink pipe also meets the requirements of ASTM F2023 for chlorine resistance. PureLink pipe is manufactured using a quality management system which has been certified to the latest version of ISO 9001

Use of PureLink pipe in heating systems requires corrosion protection and/or isolation by using a heat exchanger or non-ferrous components throughout the system.

The pipe may be installed in concrete, gypsum-based lightweight concrete, sand, asphalt, in or under wood flooring, or behind wallboard or plaster.



Features:

- Superior flexibility allows for fewer joints, thus reducing leak points
- Expandable and allows for "full flow"
- Less coil memory than traditional PEX pipe and resists the urge to remain coiled
- Compatible with both expansion and crimp, clamp or sleeve methods of joining
- Heat-repairable if kinked during installation, thus further eliminating additional repair connections
- Shape memory inherent in PEX-A pipe results in the shrinking of expanded pipe to normal size, creating strong, durable, and reliable ASTM F1960 fitting connections
- Maximum cross-linking increases flexibility and resistance to cracking
- Copper tube size dimensions (CTS)
- Available in red, blue, and white colors
- Approved for use with brass and poly alloy crimp fittings (ASTM F1960 and ASTM 1807)
- 25 year warranty

Standards / Certifications:

- PEX 5106 - SDR 9
- cNSFus-pw
- cUPC
- Meets or exceeds: ASTM F876/F877/F1807/F1960/F2023/F2080/F2155
- Meets ANSI/NSF 61 & 14
- Meets CSA B137.9

Maximum Pressures & Temperatures:

- 160 psi @ 73.4° F (1055 kPa @ 23° C), 100 psi @ 180° F (690 kPa @82.2° C), 80 psi @ 200° F (550 kPa @ 93.3° C)
  Design factor 0.50 (per ASTM F876, CSA B137.5)

Installation:

Cut PEX pipe at a 90º angle using a PEX pipe cutter. Clear the cut end of any burrs or debris. PEX pipe can be run through holes drilled into the center of studs or by using straps and hangers. Bend supports can be used to make bends and angles instead of having to cut the pipe and use fittings. A variety of barb insert fittings or push type fittings can be used with PEX pipe. ***DO NOT expose PEX pipe to direct sunlight.*** It is recommended to insulate hot water lines with standard foam polyethylene pipe insulation to prevent heat loss. If installing in an area that experiences harsh winters, it's recommended to insulate both hot and cold water lines to prevent freezing. Compatible with Uponor (Wirsbo) ProPEX™. *(ProPEX™ is a trademark of Uponor [Wirsbo].)*

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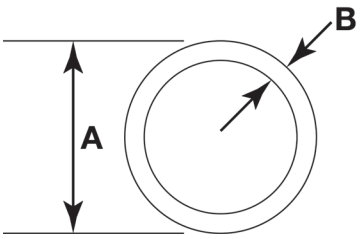
Article No.	Nom. Size in	Avg OD A in (mm)	Min. Wall Thickness B in (mm)	Weight lb/ft (kg/m)	Capacity gal/ft (l/m)
EPPBXXX12S EPPRXXX12S EPPWXXX12	1/2	0.625 (15.88)	0.070 (1.78)	0.06 (0.08)	0.0098 (0.1222)
EPPBXXX34S EPPRXXX34S EPPWXXX34	3/4	0.875 (22.22)	0.097 (2.47)	0.10 (0.15)	0.0189 (0.2356)
EPPBXXX1S EPPRXXX1S EPPWXXX1	1	1.125 (28.58)	0.125 (3.18)	0.17 (0.26)	0.0316 (0.3939)



Specification	English	SI	Standard
Min. Density	58 lb/ft	926 kg/m	ASTM F876
Min. Degree of Crosslinking	70%	70%	ASTM F876
Max. Thermal Conductivity	2.84 Btu in/(ft²F hr)	0.41 W/(m°K)	DIN 16892
Coefficient of Linear Expansion	9.33 x 10-4 in/ft°F @ 68°F 1.33 x 10-3 in/ft°F @ 212°F	0.14 mm/(m°C) @ 20°C 0.2 mm/(m°C) @ 100°C	Mean @ 20-70°C per DIN 16892
Modulus of Elasticity	87,000-130,500 psi @ 68°F 43,500-58,000 psi @ 176°F	600-900 N/mm @ 20°C 300-400 N/mm @ 80°C	Minimum @ 20°C per DIN 16892
Tensile Strength	4194-4355 psi @ 68°F 2610-2900 psi @ 176°F per ASTM D638	26-30 N/mm @ 20°C 18-20 N/mm @ 80°C per ASTM D638	–
IZOD Impact Resistance	No Break	No Break	–
Roughness	e=0.00028 in	e=0.007 mm	–
Temperature Working Range	-40 to 200°F	-40 to 93°C	–
Max. Short-term Exposure	150 psig @ 210°F (48 hr)	1035 kPa @ 99°C (48 hr)	ASTM F876
UV Resistance	–	–	ASTM F2657

The maximum temperature and pressure ratings of PureLink pipe are in accordance to ASTM F876, CSA B137.5 and PPI TR-3. The designer shall determine the actual conditions and apply the appropriate and additional design factors as required for any particular project. The temperature and pressure ratings apply to the application of PureLink pipe for conveying heating and cooling water at the 2.0 safety factor on allowable working pressure according to ASTM and CSA. According to the PureLink warranty, the warranty period of 25 years is for operating conditions at or below 180°F (82.2°C) in permitted applications when the handling, use, installation and maintenance continually complies with all PureLink technical guidelines.

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Blue PEX-A Tubing				
Part #	**Size (CTS)**	**Length**	**O.D.**	**Nom. I.D.**
WEPPB2012S	1/2"	20'	0.625±.004	0.475
WEPPB10012S	1/2"	100'	0.625±.004	0.475
WEPPB30012S	1/2"	300'	0.625±.004	0.475
WEPPB50012S	1/2"	500'	0.625±.004	0.475
WEPPB2034S	3/4"	20'	0.875±.004	0.671
WEPPB10034S	3/4"	100'	0.875±.004	0.671
WEPPB30034S	3/4"	300'	0.875±.004	0.671
WEPPB50034S	3/4"	500'	0.875±.004	0.671
WEPPB201S	1"	20'	1.125±.005	0.862
WEPPB1001S	1"	100'	1.125±.005	0.862

Red PEX-A Tubing				
Part #	**Size (CTS)**	**Length**	**O.D.**	**Nom. I.D.**
WEPPR2012S	1/2"	20'	0.625±.004	0.475
WEPPR10012S	1/2"	100'	0.625±.004	0.475
WEPPR30012S	1/2"	300'	0.625±.004	0.475
WEPPR50012S	1/2"	500'	0.625±.004	0.475
WEPPR2034S	3/4"	20'	0.875±.004	0.671
WEPPR10034S	3/4"	100'	0.875±.004	0.671
WEPPR30034S	3/4"	300'	0.875±.004	0.671
WEPPR50034S	3/4"	500'	0.875±.004	0.671
WEPPR201S	1"	20'	1.125±.005	0.862
WEPPR1001S	1"	100'	1.125±.005	0.862

White PEX-A Tubing				
Part #	**Size (CTS)**	**Length**	**O.D.**	**Nom. I.D.**
WEPPW2012	1/2"	20'	0.625±.004	0.475
WEPPW10012	1/2"	100'	0.625±.004	0.475
WEPPW30012	1/2"	300'	0.625±.004	0.475
WEPPW50012	1/2"	500'	0.625±.004	0.475
WEPPW2034	3/4"	20'	0.875±.004	0.671
WEPPW10034	3/4"	100'	0.875±.004	0.671
WEPPW30034	3/4"	300'	0.875±.004	0.671
WEPPW50034	3/4"	500'	0.875±.004	0.671
WEPPW201	1"	20'	1.125±.005	0.862
WEPPW1001	1"	100'	1.125±.005	0.862
WEPPW3001	1"	300'	1.125±.005	0.862
WEPPW5001	1"	500'	1.125±.005	0.862

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