Uponor AquaPEX® White

Submittal Information
Revision F: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	Crosslinked polyethylene PEX-a Engel Method; PEX 5106
Standard Grade Hydrostatic Ratings (PPI):	200°F (93°C) at 80 psi (551 kPa) 180°F (82°C) at 100 psi (689 kPa) 73.4°F (23°C) at 160 psi (1,103 kPa) ½", ¾", 1", 1¼", 1½" and 2" Uponor AquaPEX® White only: 120°F (49°C) at 130 psi (896 kPa)
Linear Expansion Rate:	1.1"/10°F/100' (27.94mm/5.56°C/30.48m)

Product Information and Application Use

Uponor AquaPEX White is tubing used for hot and cold domestic potable water distribution, residential fire safety and radiant heating and cooling systems containing no ferrous corrodible components or where ferrous components are isolated from the tubing.

✓	Description	Part Number	I.D. (A)	O.D. (B)	Weight
☐	¼" Uponor AquaPEX White, 100-ft. coil	F1040250	0.241"	0.375"	4.0 lbs.
☐	⅜" Uponor AquaPEX White, 400-ft. coil	F1090375	0.350"	0.500"	20.0 lbs.
☐	⅜" Uponor AquaPEX White, 1,000-ft. coil	F1120375	0.350"	0.500"	44.0 lbs.
☐	½" Uponor AquaPEX White, 100-ft. coil*	F1040500	0.475"	0.625"	6.0 lbs.
☐	½" Uponor AquaPEX White, 300-ft. coil*	F1060500	0.475"	0.625"	18.0 lbs.
☐	½" Uponor AquaPEX White, 1,000-ft. coil*	F1120500	0.475"	0.625"	54.0 lbs.
☐	⅝" Uponor AquaPEX White, 300-ft. coil	F1060625	0.574"	0.750"	28.0 lbs.
☐	⅝" Uponor AquaPEX White, 1000-ft. coil	F1120625	0.574"	0.750"	86.0 lbs.
☐	¾" Uponor AquaPEX White, 100-ft. coil*	F1040750	0.671"	0.875"	10.0 lbs.
☐	¾" Uponor AquaPEX White, 300-ft. coil*	F1060750	0.671"	0.875"	34.0 lbs.
☐	¾" Uponor AquaPEX White, 500-ft. coil*	F1100750	0.671"	0.875"	54.0 lbs.
☐	1" Uponor AquaPEX White, 100-ft. coil*	F1041000	0.862"	1.125"	20.0 lbs.
☐	1" Uponor AquaPEX White, 300-ft. coil*	F1061000	0.862"	1.125"	56.0 lbs.
☐	1" Uponor AquaPEX White, 500-ft. coil*	F1101000	0.862"	1.125"	93.0 lbs.
☐	1¼" Uponor AquaPEX White, 100-ft. coil*	F1061250	1.054"	1.375"	34.0 lbs.
☐	1¼" Uponor AquaPEX White, 300-ft. coil*	F1021250	1.054"	1.375"	106.0 lbs.
☐	1½" Uponor AquaPEX White, 100-ft. coil*	F1061500	1.244"	1.625"	44.0 lbs.
☐	1½" Uponor AquaPEX White, 300-ft. coil*	F1021500	1.244"	1.625"	133.0 lbs.
☐	2" Uponor AquaPEX White, 100-ft. coil*	F1062000	1.629"	2.125"	68.2 lbs.
☐	2" Uponor AquaPEX White, 200-ft. coil*	F1052000	1.629"	2.125"	136.4 lbs.
☐	2" Uponor AquaPEX White, 300-ft. coil*	F1022000	1.629"	2.125"	204.6 lbs.
☐	3" Uponor AquaPEX White, 100-ft. coil	F1063000	2.400"	3.125"	128.0 lbs.
☐	3" Uponor AquaPEX White, 350-ft. coil	F1023000	2.400"	3.125"	442.0 lbs.

Installation

Use ProPEX® fittings[1] for ⅜" through 2" tubing. Use WIPEX™ fittings for 3" tubing. Refer to the Uponor Professional Plumbing Installation Guide, Radiant Floor Heating Installation Handbook or AquaSAFE™ Residential Fire Sprinkler Installation Guide for more information.

Standards	Codes	Listings
CSA B137.5; ASTM F876; ASTM F877; ASTM F1960; ASTM-E84; ASTM-E119/UL 263	IPC; UPC; NSPC; NPC of Canada	*½", ¾", 1", 1¼", 1½" and 2" UL 1821; *ULC/ORD - C 199 P; IAPMO; CSA; HUD; WARNOCK HERSEY; NSF; ITS; UL; ICC; ANSI/NSF 14- and 61-certified; AWWA C904[2]; CAN/ULC S102.2 (U.S.: ¾" diameter and smaller; Canada: 1" diameter and smaller)

Related Applications

PEX-a Plumbing Systems
Radiant Heating and Cooling Systems
AquaSAFE Fire Safety Systems

Contact Information

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[1] ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.
[2] This listing is for ¾" AquaPEX tubing and larger.

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

Print Stream on Tubing	Explanation
UPONOR AquaPEX	Brand Name
PEX 5106	ASTM F2023 Testing I/A/W ASTM F876
½ IN	Tubing Size (**Example:** ½")
SDR9	Standard Dimensional Ratio of 9
CSA B137.5 POTABLE	Potable Water Listing by CSA
UL1821 130PSI 120ºF (49ºC)	Rating I/A/W UL 1821 (½", ¾", 1", 1¼", 1½" and 2" only)
ULC-ORD C199P	Canadian Rating I/A/W UL1821 and C199P
NSF ASTM F876/F877/F2023	ASTM Tubing Standards Listed by NSF
ASTM F1960/F2080/F1807	ASTM Fitting Standards Listed by NSF
IAPMO	IAPMO Reports 3558, 3960 v
ICC ESR-1099	ICC Evaluation Services Report ESR-1099
ICC ESR1529	ICC Evaluation Services Report ESR 1529
HUD MR1269d	HUD Material Release Report 1269d
WHI-LISTED CAN/US FS25/SD50	Warnock Hersey Listing for 25/50 Plenum Rating
160PSI 73.4ºF (23°C)/100PSI 180ºF (82°C)/80PSI 200ºF (93°C)	Hydrostatic Ratings from PPI in Accordance with ASTM F876
UPONOR PEX-a TUBING	Type of Crosslinking (PEX-a)
UN04950127[1]	Manufacturing Code to Audit Material Source
xxxxxx[2]	Footage Marker in Increments of five feet

[1] USA, Material Type, Extruder No., Year, Month, Day

[2] Footage marking in increments of five feet

Table 1-1: Print Stream Identification

ProPEX Sprinkler Adapters and Fittings

Uponor offers sprinkler adapter fittings specifically designed for the AquaSAFE Fire Safety system. These fittings feature ProPEX connections and a standard ½" NPT outlet for connecting fire sprinklers.

Table 1-2 shows the required tubing length needed to approximate the equivalent pressure resistance of the different types of Uponor ProPEX fittings.

Equivalent Tubing Length

Fitting Type	Pipe Dimension (in)				
	¾	1	1¼	1½	2
EP Coupling	1	1	1	2	3
Brass Coupling	1	1	--	--	--
EP Elbow	11	12	11	13	18
Brass Elbow	5	6	--	--	--
EP Tee (Through)	2	2	4	2	1
EP Tee (Branch)	17	14	9	12	17
Brass Tee (Through)	1	1	--	--	--
Brass Tee (Branch)	6	6	--	--	--
Brass Sweat Adapter	3	3	4	5	6
Brass Male Thread Adapter	3	4	5		
Brass Female Thread Adapter	3	4	5		

Table 1-2: Pressure Resistance (Fittings/Tubing

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ProPEX Lead-free (LF) Brass Fire Sprinkler Adapter Tee

Submittal Information
Revision A: Nov. 20, 2009

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

Designed for use with ¾" or 1" Uponor AquaPEX® tubing, the ProPEX® Lead-free Brass Fire Sprinkler Adapter Tee connects fire sprinklers to the Uponor residential AquaSAFE™ Looped multipurpose fire safety system, which combines fire sprinklers with a home's potable cold-water plumbing system. Use Uponor ProPEX fittings for the connections.

✓	Description	Part Number	A	B	Weight
☐	ProPEX LF Brass Fire Sprinkler Adapter Tee, 1" PEX x 1" PEX x ½" FNPT	LF7701010	4.09"	2.325"	0.62 lbs.
☐	ProPEX LF Brass Fire Sprinkler Adapter Tee, ¾" PEX x ¾" PEX x ½" FNPT	LF7707575	3.62"	2.325"	0.64 lbs.

Installation

Use the appropriate Uponor ProPEX Ring for the tubing. Install the tee using the Fire Sprinkler Adapter Mounting Bracket (A7750700) and Fire Sprinkler Adapter Push-on Nut (F7000005). For more information, refer to the Uponor AquaSAFE Looped System Installation Guide.

Related Products

A7750700: Fire Sprinkler Adapter Mounting Bracket, ¾" and 1"
F7000005: Fire Sprinkler Adapter Push-on Nut

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960; UL 1821; ULC/ORD – C199P

Codes

IPC; UPC; NSPC; IRC; IMC; NPC of Canada

Listings

ANSI/NSF 14- and 61-certified; ICC ESR 1099; HUD MR 1269; IAPMO

Related Applications

PEX-a Plumbing Systems
AquaSAFE Fire Safety Systems

Contact Information

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[1]ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

Fire Sprinkler Adapter Mounting Bracket

Submittal Information
Revision A: Nov. 17, 2009

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: 1050 Annealed (spheroidized) spring steel

Product Information and Application Use

Uponor's Fire Sprinkler Adapter Mounting Bracket is designed to rigidly mount ProPEX® Lead-free Brass Fire Sprinkler Adapter Tees (LF7701010 and LF7707575) in Uponor AquaSAFE™ multi-purpose residential fire sprinkler systems.[1]

✓	Description	Part Number	A	B	C	D	Weight
☐	Fire Sprinkler Adapter Mounting Bracket, ¾" and 1"	A7750700	2.48"	1.84"	3.16"	1.42"	0.21 lbs.

Installation

Attach the sprinkler-mounting bracket or sprinkler adapter to the structure with two #10 x 1½" Pan Head, Full Thread Screws (F7001500) or equivalent. Refer to the sprinkler plan mounting details for correct placement of brackets and adapters, taking into account the ceiling type and sprinkler model. When installing adapter tee into bracket, use Fire Sprinkler Adapter Push-on Nut (F7000005). For more information, refer to the Uponor AquaSAFE Looped System Installation Guide.

Related Products

LF7701010: ProPEX Brass Fire Adapter Tee, 1" PEX x 1" PEX x ½" FNPT
LF7707575: ProPEX Brass Fire Adapter Tee, ¾" PEX x ¾" PEX x ½" FNPT

Standards

UL1821; ULC/ORD – C199P (for use with brass sprinkler adapter tees)

Codes

N/A

Listings

N/A

Related Applications

PEX-a Plumbing Systems
AquaSAFE Fire Safety Systems

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

Tube Talon

Submittal Information
Revision B: Oct. 24, 2008

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: High-density polyethylene (HDPE)

Product Information and Application Use

Tube Talon secures 3/8", 1/2", 5/8", 3/4" and 1" Uponor PEX tubing products. Fasteners are included.

✓	Description	Part Number	Length	Width	Weight (Bag)
☐	Tube Talon (3/8" PEX)	F7050375	1.75"	0.75"	0.63 lbs.
☐	Tube Talon (1/2", 5/8", 3/4" PEX)	F7050750	2.00"	1.55"	1.60 lbs.
☐	Tube Talon (1" PEX)	F7051000	2.38"	1.66"	1.10 lbs.

Installation

Mount the tube talon over the tubing and mounting surface. Attach the tube talon to desired surface with the nail provided. Refer to the Uponor Radiant Floor Installation Handbook or the Uponor Professional Plumbing Installation Guide for additional information.

Standards

N/A

Codes

N/A

Listings

N/A

Related Applications

Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems

Contact Information

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Engineered Polymer (EP) Tee

Submittal Information
Revision D: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	UDEL® Polysulfone, 20% Glass-reinforced (½" to 1") Acudel® Modified Polyphenylsulfone (1¼" to 1½") Radel® Polyphenylsulfone (2")
Maximum Temperature (no pressure):	320°F (160°C)
Maximum Working Temperature/Pressure:	210°F (99°C) at 150 psi (1,034 kPa)

Product Information and Application Use

The ProPEX® Engineered Polymer (EP) Tee makes diverting connections for Uponor crosslinked polyethylene (PEX-a) tubing for use in hot and cold domestic potable water systems, residential fire sprinkler systems and hydronic radiant heating and cooling systems. Each end of the tee is manufactured with an Uponor ProPEX fitting for connections to Uponor AquaPEX® or Wirsbo hePEX™ tubing.[1]
Note: Branch size is listed last in the part descriptions.

✓ Description	Part Number	A	B	Weight
☐ ProPEX EP Tee, ½" PEX x ½" PEX x ½" PEX	Q4755050	2.50"	1.53"	0.02 lbs.
☐ ProPEX EP Tee, ¾" PEX x ¾" PEX x ¾" PEX	Q4757575	3.30"	1.94"	0.05 lbs.
☐ ProPEX EP Tee, 1" PEX x 1" PEX x 1" PEX	Q4751010	4.10"	2.47"	0.07 lbs.
☐ ProPEX EP Tee, 1¼" PEX x 1¼" PEX x 1¼" PEX	Q4751313	4.80"	3.22"	0.15 lbs.
☐ ProPEX EP Tee, 1½" PEX x 1½" PEX x 1½" PEX	Q4751515	5.80"	3.82"	0.25 lbs.
☐ ProPEX EP Tee, 2" PEX x 2" PEX x 2" PEX	Q4752000	7.45"	4.79"	0.38 lbs.

Installation

Use the appropriate ProPEX Ring for PEX-a tubing. Refer to the Uponor AquaPEX® Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

IAPMO 3558; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821; ULC/ORD-C199P

Related Applications

PEX-a Plumbing Systems
Hydronic Radiant Heating and Cooling Systems
Snow Melting Systems
Turf Conditioning Systems
Permafrost Prevention Systems
AquaSAFE Fire Safety Systems

Contact Information

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Engineered Polymer (EP) Reducing Tee

Submittal Information
Revision E: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	UDEL® Polysulfone, 20% Glass-reinforced (½ to 1") Acudel® Modified Polyphenylsulfone (1¼" to 1½") Radel® R Polyphenylsulfone (2")
Maximum Temperature (no pressure):	320°F (160°C)
Max. Working Temperature/Pressure:	210°F (99°C) at 150 psi (1,034 kPa)

Product Information and Application Use

The ProPEX® Engineered Polymer (EP) Reducing Tee makes diverting connections for Uponor crosslinked polyethylene (PEX-a) tubing for use in hot and cold domestic potable water systems, residential fire sprinkler systems and hydronic radiant heating and cooling systems. Each end of the tee is manufactured with an Uponor ProPEX fitting for connections to Uponor AquaPEX® or Wirsbo hePEX™ tubing.[1] **Note:** Branch size is listed last in the part descriptions.

✓	Description	Part Number	Length (A)	Height (B)	Weight
☐	ProPEX EP Reducing Tee, ½" PEX x ½" PEX x ¾" PEX	Q4755575	2.86"	1.76"	0.03 lbs.
☐	ProPEX EP Reducing Tee, ¾" PEX x ½" PEX x ½" PEX	Q4757555	3.10"	1.70"	0.04 lbs.
☐	ProPEX EP Reducing Tee, ¾" PEX x ½" PEX x ¾" PEX	Q4757557	3.10"	1.94"	0.04 lbs.
☐	ProPEX EP Reducing Tee, ¾" PEX x ¾" PEX x ⅝" PEX	Q4757563	3.30"	1.85"	0.05 lbs.
☐	ProPEX EP Reducing Tee, ¾" PEX x ¾" PEX x ½" PEX	Q4757550	3.30"	1.70"	0.04 lbs.
☐	ProPEX EP Reducing Tee, ¾" PEX x ¾" PEX x 1" PEX	Q4757710	3.64"	2.32"	0.08 lbs.
☐	ProPEX EP Reducing Tee, 1" PEX x ¾" PEX x ¾" PEX	Q4751775	3.90"	2.24"	0.08 lbs.
☐	ProPEX EP Reducing Tee, 1" PEX x ¾" PEX x 1" PEX	Q4751751	3.90"	2.47"	0.08 lbs.
☐	ProPEX EP Reducing Tee, 1" PEX x 1" PEX x ½" PEX	Q4751150	4.10"	2.00"	0.08 lbs.
☐	ProPEX EP Reducing Tee, 1" PEX x 1" PEX x ¾" PEX	Q4751175	4.10"	2.24"	0.09 lbs.
☐	ProPEX EP Reducing Tee, 1¼" PEX x 1" PEX x ¾" PEX	Q4751317	4.60"	2.73"	0.11 lbs.
☐	ProPEX EP Reducing Tee, 1¼" PEX x 1" PEX x 1" PEX	Q4751311	4.60"	2.97"	0.12 lbs.
☐	ProPEX EP Reducing Tee, 1¼" PEX x 1¼" PEX x ¾" PEX	Q4751337	4.80"	2.73"	0.13 lbs.
☐	ProPEX EP Reducing Tee, 1¼" PEX x 1¼" PEX x 1" PEX	Q4751331	4.80"	2.97"	0.14 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1" PEX x ¾" PEX	Q4751517	5.25"	3.06"	0.17 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1" PEX x 1" PEX	Q4751511	5.25"	3.30"	0.18 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1¼" PEX x ¾" PEX	Q4751537	5.50"	2.65"	0.18 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1¼" PEX x 1" PEX	Q4751531	5.50"	2.85"	0.19 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1¼" PEX x 1¼" PEX	Q4751533	5.50"	3.15"	0.21 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x ¾" PEX	Q4751557	5.80"	3.06"	0.20 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x 1" PEX	Q4751551	5.75"	3.30"	0.21 lbs.
☐	ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x 1¼" PEX	Q4751553	5.80"	3.56"	0.22 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x ¾" PEX	Q4752575	6.62"	3.30"	0.30 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1" PEX	Q4752051	6.50"	3.40"	0.30 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1¼" PEX	Q4752053	6.62"	3.80"	0.34 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1½" PEX	Q4752055	6.62"	4.10"	0.35 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 2" PEX x ¾" PEX	Q4752275	6.93"	3.30"	0.34 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1" PEX	Q4752210	6.93"	3.40"	0.36 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1¼" PEX	Q4752213	6.62"	3.80"	0.37 lbs.
☐	ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1½" PEX	Q4752215	7.13"	4.10"	0.44 lbs.

Installation

Use the appropriate ProPEX Ring for PEX-a tubing. Refer to the Uponor AquaPEX® Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

NSF U.P. CODE; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821 and ULC/ORD-C199P (except Q4757563)

Related Applications

PEX-a Plumbing Systems
Hydronic Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Turf Conditioning Systems
Permafrost Protection Systems
AquaSAFE Fire Safety Systems

Contact Information

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

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ProPEX® Engineered Polymer (EP) Elbow

Submittal Information
Revision D: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	UDEL® Polysulfone, 20% Glass-reinforced (½ to 1") Acudel® Modified Polyphenylsulfone (1¼" to 1½") Radel® R Polyphenylsulfone (2")
Maximum Temperature (no pressure):	320°F (160°C)
Maximum Working Temperature/Pressure:	210°F (99°C) at 150 psi (1,034 kPa)

Product Information and Application Use

The ProPEX® Engineered Polymer (EP) Elbow makes 90-degree connections for Uponor crosslinked polyethylene (PEX-a) tubing for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems. Each end of the elbow is manufactured with an Uponor ProPEX fitting for connections to Uponor AquaPEX® or Wirsbo hePEX™ tubing.[1]

✓ Description	Part Number	A	B	Weight
☐ ProPEX EP Elbow, ½" PEX x ½" PEX	Q4760500	1.30"	1.30"	0.02 lbs.
☐ ProPEX EP Elbow, ¾" PEX x ¾" PEX	Q4760750	1.60"	1.60"	0.03 lbs.
☐ ProPEX EP Elbow, 1" PEX x 1" PEX	Q4761000	2.10"	2.10"	0.07 lbs.
☐ ProPEX EP Elbow, 1¼" PEX x 1¼" PEX	Q4761250	2.45"	2.45"	0.11 lbs.
☐ ProPEX EP Elbow, 1½" PEX x 1½" PEX	Q4761500	2.77"	2.77"	0.18 lbs.
☐ ProPEX EP Elbow, 2" PEX x 2" PEX	Q4762000	3.76"	3.76"	0.30 lbs.

Installation

Use the appropriate ProPEX Ring for PEX-a tubing. Refer to the Uponor AquaPEX® Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

IAPMO 3558; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821; ULC/ORD-C199P

Related Applications

PEX-a Plumbing Systems
Hydronic Radiant Heating and Cooling Systems
Snow Melting Systems
Turf Conditioning Systems
Permafrost Prevention Systems
AquaSAFE Fire Safety Systems

Contact Information

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[1] ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

RESURGAM. CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Engineered Polymer (EP) Coupling

Submittal Information
Revision D: June 8, 2012

Project Information

Job Name:

Location: Part No. Ordered:

Engineer: Date Submitted:

Contractor: Submitted By:

Manufacturer's Representative: Approved By:

Technical Data

Material: UDEL® Polysulfone, 20% Glass-reinforced (⅜" - 1")
Acudel® Modified Polyphenylsulfone (1¼" - 1½")
RADEL® R Polyphenylsulfone (2")

Max. Temp. (no pressure): 320°F (160°C)

Max. Working Temp./Pressure: 210°F (99°C) at 150 psi (1,034 kPa)

Product Information and Application Use

The ProPEX® Engineered Polymer (EP) Coupling is available for use in hot and cold domestic potable water distribution, residential fire safety and radiant heating and cooling systems. Each end of the coupling is manufactured with an Uponor ProPEX fitting for connections to Uponor AquaPEX® or Wirsbo hePEX™ tubing.

✓	Description	Part Number	A	B	C	D	Weight
☐	ProPEX EP Coupling, ⅜" PEX x ⅜" PEX	Q4773838	1.300"	0.70"	0.615"	0.615"	0.01 lbs.
☐	ProPEX EP Coupling, ½" PEX x ½" PEX	Q4775050	1.600"	0.85"	0.405"	0.405"	0.01 lbs.
☐	ProPEX EP Coupling, ½" PEX x ¾" PEX	Q4775075	1.800"	1.08"	0.405"	0.615"	0.03 lbs.
☐	ProPEX EP Coupling, ⅝" PEX x ⅝" PEX	Q4776363	1.860"	1.00"	0.538"	0.538"	0.01 lbs.
☐	ProPEX EP Coupling, ¾" PEX x ¾" PEX	Q4777575	2.000"	1.18"	0.615"	0.615"	0.02 lbs.
☐	ProPEX EP Coupling, ¾" PEX x 1" PEX	Q4777510	2.300"	1.34"	0.615"	0.818"	0.04 lbs.
☐	ProPEX EP Coupling, 1" PEX x 1" PEX	Q4771010	2.500"	1.42"	0.818"	0.818"	0.04 lbs.
☐	ProPEX EP Coupling, 1¼" PEX x ¾" PEX	Q4771307	2.625"	1.75"	0.989"	0.615"	0.05 lbs.
☐	ProPEX EP Coupling, 1¼" PEX x 1" PEX	Q4771310	2.875"	1.75"	0.989"	0.818"	0.06 lbs.
☐	ProPEX EP Coupling, 1¼" PEX x 1¼" PEX	Q4771313	3.000"	1.75"	0.989"	0.989"	0.07 lbs.
☐	ProPEX EP Coupling, 1½" PEX x ¾" PEX	Q4771507	2.875"	2.13"	1.109"	0.615"	0.07 lbs.
☐	ProPEX EP Coupling, 1½" PEX x 1" PEX	Q4771510	3.125"	2.13"	1.109"	0.818"	0.08 lbs.
☐	ProPEX EP Coupling, 1½" PEX x 1¼" PEX	Q4771513	3.500"	2.13"	1.109"	0.989"	0.09 lbs.
☐	ProPEX EP Coupling, 1½" PEX x 1½" PEX	Q4771515	3.625"	2.13"	1.109"	1.109"	0.10 lbs.
☐	ProPEX EP Coupling, 2" PEX x 1½" PEX	Q4772015	4.120"	2.20"	1.514"	1.109"	0.19 lbs.
☐	ProPEX EP Coupling, 2" PEX x 2" PEX	Q4772020	4.544"	2.20"	1.514"	1.514"	0.24 lbs.

Installation

Use ProPEX Rings to make the fitting. Refer to the Uponor Professional Plumbing Installation Guide, Radiant Floor Heating Installation Handbook or AquaSAFE™ Residential Fire Sprinkler Installation Guide for more information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

NSF U.P. CODE; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821 and ULC/ORD-C199P (except Q4773838 and Q4776363)

Related Applications

PEX-a Plumbing Systems
Hydronic Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems
AquaSAFE Fire Safety Systems

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Engineered Plastic (EP) Plug

Submittal Information
Revision C: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	UDEL® Polysulfone, 20% Glass-reinforced (½" - 1"); Acudel® modified polyphenylsulfone (1¼" - 2")
Maximum Temperature (no pressure):	320°F (160°C)
Maximum Working Temperature/Pressure:	210°F (99°C) at 150 psi (1,034 kPa)

Product Information and Application Use

ProPEX® Engineered Plastic (EP) Plugs terminate Uponor crosslinked polyethylene (PEX-a) tubing ends and are available for use in hot and cold domestic potable water systems, residential fire sprinkler systems and hydronic heating and cooling systems.[1]

✓	Description	Part Number	A	B	Weight
☐	ProPEX EP Plug for ½" PEX	Q4350500	0.85"	0.836"	0.006 lbs.
☐	ProPEX EP Plug for ¾" PEX	Q4350750	0.85"	0.836"	0.008 lbs.
☐	ProPEX EP Plug for 1" PEX	Q4351000	1.08"	1.187"	0.020 lbs.
☐	ProPEX EP Plug for 1¼" PEX	Q4351250	1.32"	1.350"	0.040 lbs.
☐	ProPEX EP Plug for 1½" PEX	Q4351500	2.00"	2.125"	0.075 lbs.
☐	ProPEX EP Plug for 2" PEX	Q4352000	2.40"	2.625"	0.156 lbs.

Installation

Use the appropriate ProPEX Ring for PEX-a tubing. Refer to the Uponor AquaPEX® Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

IAPMO 3558; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821; ULC/ORD-C199P

Related Applications

PEX-a Plumbing Systems
Hydronic Radiant Heating and Cooling Systems
Snow Melting Systems
Turf Conditioning Systems
Permafrost Prevention Systems
AquaSAFE Fire Safety Systems

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Ring

Submittal Information
Revision D: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	Engel-method Crosslinked Polyethylene (PEX-a)
Density:	926 to 940 kg/m^3
Degree of crosslinking:	70% to 89%

Product Information and Application Use

Manufactured from PEX-a material, Uponor ProPEX® Rings are required to make a proper ProPEX connection.[1] The ProPEX Ring with Stop includes a leading edge chamfer and stop edge.

✓	Description	Part Number	Length	I.D.	O.D.	Weight
☐	ProPEX Ring, ⅜"	Q4690302	0.54"	0.49"	0.74"	0.005 lbs.
☐	ProPEX Ring with Stop, ½"	Q4690512	0.63"	0.63"	0.87"	0.006 lbs.
☐	ProPEX Ring, ⅝"	Q4680625	0.79"	0.75"	1.00"	0.008 lbs.
☐	ProPEX Ring with Stop, ¾"	Q4690756	0.87"	0.88"	1.13"	0.012 lbs.
☐	ProPEX Ring with Stop, 1"	Q4691000	1.10"	1.13"	1.42"	0.020 lbs.
☐	ProPEX Ring with Stop, 1¼"	Q4691250	1.35"	1.38"	1.66"	0.030 lbs.
☐	ProPEX Ring with Stop, 1½"	Q4691500	1.61"	1.63"	1.91"	0.040 lbs.
☐	ProPEX Ring with Stop, 2"	Q4692000	1.97"	2.14"	2.61"	0.133 lbs.

Installation

Square cut the Uponor ProPEX tubing. Remove excess material. Slide the ProPEX Ring over the end of the tubing (maximum $^1/_{16}$" over-hang for rings without stop). When using the ProPEX Ring with Stop, slide the ring on the tubing with the chamfered edge first until the end of the tubing contacts the stop edge. Expand the tubing and ring. If using the ProPEX Manual Expander Tool, rotate the tool a quarter turn after each expansion to prevent the formation of grooves. Remove the expansion tool and fully seat the tubing and ring against the shoulder of the fitting. Make ProPEX connections at temperatures above 5°F/-15°C. For more information, refer to the AquaPEX® Professional Plumbing Installation Handbook, the AquaSAFE™ Fire Safety Installation Guide or the Uponor Radiant Installation Handbook.

Standards

ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

½", ¾", 1", 1¼", 1½" and 2" UL 1821 and ULC/ORD-C199P; HUD MR 1269; ICC ESR 1099; ANSI/NSF 14- and 61-certified

Related Applications

PEX-a Plumbing Systems
Radiant Heating and Cooling Systems
AquaSAFE Fire Safety Systems

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[1]ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Lead-free (LF) Brass Sweat Adapter

Submittal Information
Revision B: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

ProPEX® Lead-free Brass Sweat Adapters transition Uponor PEX tubing to copper pipe for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems.[1] These adapters are safe for direct burial in soil.

✓	Description	Part Number	A	B	C	Weight
☐	ProPEX LF Brass Sweat Adapter, ⅜" PEX x ½" Copper	LF4513850	1.32"	0.721"	0.50" CU	0.08 lbs.
☐	ProPEX LF Brass Sweat Adapter, ½" PEX x ½" Copper	LF4515050	1.44"	0.750"	0.50" CU	0.08 lbs.
☐	ProPEX LF Brass Sweat Adapter, ½" PEX x ¾" Copper	LF4515075	1.63"	0.989"	0.75" CU	0.16 lbs.
☐	ProPEX LF Brass Sweat Adapter, ¾" PEX x ½" Copper	LF4517550	1.67"	1.070"	0.50" CU	0.16 lbs.
☐	ProPEX LF Brass Sweat Adapter, ¾" PEX x ¾" Copper*	LF4517575	2.04"	1.070"	0.75" CU	0.30 lbs.
☐	ProPEX LF Brass Sweat Adapter, ¾" PEX x 1" Copper	LF4517510	2.17"	1.258"	1.00" CU	0.31 lbs.
☐	ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper*	LF4511010	2.40"	1.345"	1.00" CU	0.30 lbs.
☐	ProPEX LF Brass Sweat Adapter, 1¼" PEX x 1¼" Copper*	LF4511313	2.63"	1.640"	1.25" CU	0.50 lbs.
☐	ProPEX LF Brass Sweat Adapter, 1½" PEX x 1½" Copper*	LF4511515	2.75"	1.875"	1.50" CU	0.50 lbs.
☐	ProPEX LF Brass Sweat Adapter, 2" PEX x 2" Copper*	LF4512020	3.53"	3.00"	2.00" CU	2.00 lbs.

Installation

Use the appropriate Uponor ProPEX Ring for the tubing (sold separately). Do not solder within 18 inches of the ProPEX Fitting. Refer to the AquaPEX® Professional Plumbing Installation Guide, Radiant Floor Heating Installation Handbook or AquaSAFE™ Residential Fire Sprinkler Installation Guide for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

HUD MR 1269; ICC ESR 1099; ANSI/NSF 14- and 61-certified; U.P. Code, Annex G; *UL 1821; *ULC/ORD-C199P

Related Applications

PEX-a Plumbing Systems
Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems
AquaSAFE Fire Safety Systems

Contact Information

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[1]ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Lead-free (LF) Brass Female Threaded Adapter

Submittal Information
Revision B: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

The ProPEX® Lead-free Brass Female Threaded Adapter connects Uponor PEX-a tubing to female NPT threads.[1] Use these fittings in hot and cold domestic potable water systems, residential fire sprinkler systems or hydronic radiant heating and cooling systems. One end of the adapter is manufactured with the Uponor ProPEX fitting for connections to Wirsbo hePEX™ tubing or Uponor AquaPEX® tubing. The other end of the adapter connects to copper. These adapters are safe for direct burial in soil.

✓	Description	Part Number	A	B	C	Weight
☐	ProPEX LF Brass Female Threaded Adapter, ½" PEX x ½" NPT	LF4575050	1.57"	1" HEX	½" NPT	0.20 lbs.
☐	ProPEX LF Brass Female Threaded Adapter, ½" PEX x ¾" NPT	LF4575075	1.75"	1 3/16" HEX	¾" NPT	0.40 lbs.
☐	ProPEX LF Brass Female Threaded Adapter, ¾" PEX x ¾" NPT*	LF4577575	1.87"	1⅜" HEX	¾" NPT	0.20 lbs.
☐	ProPEX LF Brass Female Threaded Adapter, ¾" PEX x 1" NPT	LF4577510	2.21"	1½" HEX	1" NPT	0.40 lbs.
☐	ProPEX LF Brass Female Threaded Adapter, 1" PEX x 1" NPT*	LF4571010	2.44"	1½" HEX	1" NPT	0.45 lbs.
☐	ProPEX LF Brass Female Threaded Adapter, 1¼" PEX x 1¼" NPT*	LF4571313	2.57"	2" HEX	1¼" NPT	1.00 lbs.
☐	ProPEX LF Brass Female Threaded Adapter, 1½" PEX x 1½" NPT*	LF4571515	2.75"	2½" HEX	1½" NPT	2.20 lbs.
☐	ProPEX Brass Female Threaded Adapter, 2" PEX x 2" NPT*	LF4572020	3.53"	3" HEX	2" NPT	2.20 lbs.

Installation

Use the appropriate ProPEX Ring for PEX-a tubing. Refer to the Uponor AquaPEX® Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

ANSI/NSF 14- and 61-certified; ICC ESR 1099; HUD MR 1269; U.P. Code, Annex G; *UL 1821; *ULC/ORD-C199P

Related Applications

PEX-a Plumbing Systems
Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems
AquaSAFE Fire Safety Systems

Contact Information

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Lead-free (LF) Brass Male Threaded Adapter

Submittal Information
Revision C: June 8, 2012

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

ProPEX® Lead-free (LF) Male Threaded Adapters connect Uponor PEX tubing to male NPT threads for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems.[1] These adapters are safe for direct burial in soil.

✓	Description	Part Number	A	B	C	Weight
☐	ProPEX LF Brass Male Threaded Adapter, ⅜" PEX x ½" NPT	LF4523850	1.62"	⅞" HEX	½" NPT	0.11 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, ½" PEX x ½" NPT	LF4525050	1.73"	⅞" HEX	½" NPT	0.32 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, ½" PEX x ¾" NPT	LF4525075	1.78"	1⅛" HEX	¾" NPT	0.18 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, ¾" PEX x ¾" NPT*	LF4527575	2.02"	1⅛" HEX	¾" NPT	0.20 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, ¾" PEX x 1" NPT*	LF4527510	2.22"	1⅜" HEX	1" NPT	0.35 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, 1" PEX x ¾" NPT	LF4521075	2.25"	1¼" HEX	¾" NPT	0.30 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, 1" PEX x 1" NPT*	LF4521010	2.46"	1⅜" HEX	1" NPT	0.44 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, 1¼" PEX x 1¼" NPT*	LF4521313	2.72"	1¾" HEX	1¼" NPT	0.75 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, 1½" PEX x 1½" NPT*	LF4521515	3.00"	2¼" HEX	1½" NPT	0.80 lbs.
☐	ProPEX LF Brass Male Threaded Adapter, 2" PEX x 2" NPT*	LF4522020	3.86"	2⅜" HEX	2" NPT	1.90 lbs.

Installation

Use the appropriate ProPEX Ring for PEX-a tubing. Refer to the Uponor AquaPEX® Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; IAPMO 3558; U.P. Code, Annex G; *UL 1821; *ULC/ORD-C199P

Related Applications

PEX-a Plumbing Systems
Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems
AquaSAFE Fire Safety Systems

Contact Information

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[1]ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Lead-free (LF) Brass Coupling

Submittal Information
Revision A: Jan. 28, 2010

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

ProPEX® Lead-free Brass Couplings are available for use in hot and cold domestic potable water systems.[1] Also approved for use in any radiant heating system. The coupling features the Uponor ProPEX Fitting for connections to Wirsbo hePEX™ tubing or Uponor AquaPEX® tubing. Couplings are safe for direct burial in soil.

✓	Description	Part Number	A	B	C	D	Weight
☐	ProPEX LF Brass Coupling, ⅜" PEX x ½" PEX	LF4543850	1.42"	0.740"	0.398"	0.280"	0.05 lbs
☐	ProPEX LF Brass Coupling, ½" PEX x ½" PEX*	LF4545050	1.54"	0.740"	0.398"	N/A	0.07 lbs
☐	ProPEX LF Brass Coupling, ¾" PEX x ¾" PEX*	LF4547575	2.02"	1.187"	0.595"	N/A	0.13 lbs
☐	ProPEX LF Brass Coupling, ¾" PEX x 1" PEX*	LF4547510	2.25"	1.345"	0.795"	0.595"	0.16 lbs
☐	ProPEX LF Brass Coupling, 1" PEX x 1" PEX*	LF4541010	2.49"	1.345"	0.818"	N/A	0.20 lbs

Installation

ProPEX Tool and ProPEX Rings (sold separately) are required for connecting the PEX tubing. Use the appropriately sized Uponor ProPEX Ring for tubing connections. For more information, refer to the AquaPEX Professional Plumbing Installation Guide, the AquaSAFE™ Residential Fire Sprinkler Installation Guide or the Radiant Floor Heating Installation Handbook.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

IAMPO 3558; HUD MR 1269; ICC ESR 1099; NSF 14- and 61-certified; U.P. Code, Annex G; *UL 1821; *ULC/ORD C199P

Related Applications

PEX-a Plumbing Systems
Uponor Residential Fire Safety Systems
Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems

Contact Information

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www.uponor.ca

[1] ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.

CITY OF PORTLAND, MAINE · RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Brass Elbow

Submittal Information
Revision B: March 17, 2009

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: B16 Copper Alloy UNS C36000

Product Information and Application Use

The brass ProPEX® Elbow is available for use in hot and cold domestic potable water systems, and in the AQUASAFE® Residential Fire Safety systems. Also approved for use in any hydronic heating and AquaPEX® plumbing systems, each end of the elbow is manufactured with the ProPEX fitting for connections to hePEX™ or any AquaPEX tubing.

✓	Description	Part Number	A	B	C	Weight
☐	ProPEX Brass Elbow, ½" PEX x ½" PEX*	Q4710500	1.45"	1.48"	0.500"	0.10 lbs.
☐	ProPEX Brass Elbow, ⅝" PEX x ⅝" PEX	Q4710625	1.77"	1.57"	0.625"	0.15 lbs.
☐	ProPEX Brass Elbow, ¾" PEX x ¾" PEX*	Q4710750	2.04"	1.75"	0.750"	0.20 lbs.
☐	ProPEX Brass Elbow, 1" PEX x 1" PEX*	Q4711000	2.61"	2.28"	1.000"	0.30 lbs.
☐	ProPEX Brass Elbow, 2" PEX x 2" PEX	Q4712000	4.66"	4.36"	2.000"	2.20 lbs.

Installation

Use appropriate ProPEX Ring for connecting the tubing. Refer to the AquaPEX Installation Handbook, the Radiant Floor Installation Handbook or the Uponor AQUASAFE® Installation Guide for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F 1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

ANSI/NSF 14- and 61-certified; U.P. Code; ICC ESR 1099; HUD MR 1269; *UL 1821; *ULC/ORD C199P

Related Applications

PEX-a Plumbing Systems
AQUASAFE Fire Safety Systems
Uponor Radiant Floor heating Systems

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Lead-free (LF) Brass Tee

Submittal Information
Revision B: Jan. 28, 2010

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

Uponor's ProPEX® Lead-free Brass Tees are ideal for use in hot and cold domestic potable water systems.[1]

This product is approved for use in the AquaSAFE™ Residential Fire Safety System. Also approved for any hydronic heating system application.

Each end of the ProPEX LF Brass Tee is manufactured with the Uponor ProPEX Fitting for connections to Wirsbo hePEX™ or Uponor AquaPEX® tubing. This product is safe for direct burial in soil.

✓	Description	Part Number	Length	Width	Weight
☐	ProPEX LF Brass Tee, ½" PEX x ½" PEX x ½" PEX	LF4705050	2.52"	1.45"	0.20 lbs.
☐	ProPEX LF Brass Tee, ¾" PEX x ¾" PEX x ¾" PEX	LF4707575	3.27"	1.93"	0.40 lbs.
☐	ProPEX LF Brass Tee, 1" PEX x 1" PEX x 1" PEX	LF4701010	4.09"	2.42"	0.40 lbs.

Installation

ProPEX Tool and ProPEX Rings (sold separately) are required for connecting the PEX tubing. Do not solder within 18 inches of the ProPEX connection. Refer to the AquaPEX Professional Plumbing Installation Guide, AquaSAFE Homeowner Handbook or Radiant Floor Heating Installation Handbook for additional information.

Standards

CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

IAPMO 3558; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821; ULC/ORD C 199P; U.P. Code, Annex G

Related Applications

PEX-a Plumbing Systems
Uponor Residential Fire Safety Systems
Radiant Heating and Cooling Systems

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CITY OF PORTLAND, MAINE · RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Lead-free (LF) Brass Reducing Tee

Submittal Information
Revision B: Jan. 28, 2010

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: C69300 Brass

Product Information and Application Use

Uponor's ProPEX® LF Brass Reducing Tee makes diverting connections for Uponor PEX tubing in supply and return mains.[1] This product is available for use in hot and cold domestic potable water systems, in any hydronic heating system and in the AquaSAFE™ Residential Fire Safety System. Uponor manufactures each end of the tee with the ProPEX Fitting for easy connections to Wirsbo hePEX™ or Uponor AquaPEX® tubing. This product is safe for direct burial in soil.

Note: Branch size is listed last in the part description.

✓	Description	Part Number	A	B	Weight
☐	ProPEX LF Brass Reducing Tee, ¾" PEX x ¾" PEX x ½" PEX	LF4707550	3.27"	1.69"	0.40 lbs.
☐	ProPEX LF Brass Reducing Tee, ¾" PEX x ¾" PEX x 1" PEX	LF4707710	3.62"	2.42"	0.50 lbs.
☐	ProPEX LF Brass Reducing Tee, 1" PEX x ¾" PEX x ¾" PEX	LF4701775	3.86"	2.18"	0.30 lbs.
☐	ProPEX LF Brass Reducing Tee, 1" PEX x ¾" PEX x 1" PEX	LF4701751	3.86"	2.42"	0.40 lbs.
☐	ProPEX LF Brass Reducing Tee, 1" PEX x 1" PEX x ½" PEX	LF4701150	4.09"	1.95"	0.40 lbs.
☐	ProPEX LF Brass Reducing Tee, 1" PEX x 1" PEX x ¾" PEX	LF4701175	4.09"	2.18"	0.40 lbs.

Installation

ProPEX Tool and ProPEX Rings (sold separately) are required for connecting PEX tubing. Refer to the AquaPEX Professional Plumbing Installation Guide, the AquaSAFE Residential Fire Sprinkler Installation Guide or the Radiant Floor Heating Installation Handbook for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

IAPMO 3558; ANSI/NSF 14- and 61-certified; HUD MR 1269; ICC ESR 1099; UL 1821; ULC/ORD C 199P; U.P. Code, Annex G

Related Applications

PEX-a Plumbing Systems
Uponor Residential Fire Safety Systems
Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems

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RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Fire Sprinkler Adapter

Submittal Information
Revision B: March 17, 2009

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: 300 Series Stainless Steel

Product Information and Application Use

Use the ProPEX® Fire Sprinkler Adapter in conjunction with the appropriate sprinkler to provide a multi-purpose residential fire sprinkler system[1]. For residential applications, the system is installed with the cold-potable portion of the Uponor plumbing system. Make connections with Uponor ProPEX fittings. These fittings are designed for use only with ¾" or 1" AquaPEX® White tubing in the Uponor AQUASAFE® Looped System.

✓	Description	Part Number	A	B	C	D	E	Weight
☐	ProPEX Fire Sprinkler Adapter, ¾" PEX x ½" FNPT	Q7517550	0.75"	1.88"	2.50"	1.82"	1.41"	0.268 lbs.
☐	ProPEX Fire Sprinkler Adapter, 1" PEX x ½" FNPT	Q7511050	0.75"	1.88"	2.50"	2.06"	1.54"	0.408 lbs.

Installation

Use appropriate ProPEX Ring for connecting the tubing. Refer to the AquaPEX Installation Handbook or the Uponor AQUASAFE® Installation Guide for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F 1960

Codes

IPC; UPC; NSPC; IRC; IMC; NPC of Canada

Listings

ANSI/NSF 14- and 61-certified; U.P. Code; ICC ESR 1099; HUD MR 1269; UL 1821; ULC/ORD - C 199 P

Related Applications

PEX-a Plumbing Systems
AQUASAFE Fire Safety Systems

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CITY OF PORTLAND, MAINE · RESURGAM
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Date: 05/21/13
Planner: Benjamin Wallace Jr

ProPEX® Fire Sprinkler Adapter Elbow

Submittal Information
Revision B: March 17, 2009

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material: 300 Series Stainless Steel

Product Information and Application Use

Use the ProPEX® Fire Sprinkler Adapter Elbow in conjunction with the appropriate sprinkler to provide a multipurpose residential fire sprinkler system[1]. The system is installed with the cold-potable portion of the Uponor plumbing system for residential applications. Make connections using Uponor ProPEX fittings. The fittings are designed for use only with ¾" or 1" AquaPEX® White tubing in the Uponor AQUASAFE® Looped System.

✓	Description	Part Number	A	B	C	D	E	F	Weight
☐	ProPEX Fire Sprinkler Adapter Right Elbow, ¾" PEX x ½" FNPT	Q7537550	2.25"	1.95"	1.41"	2.25"	1.95"	1.41"	0.410 lbs.
☐	ProPEX Fire Sprinkler Adapter Right Elbow, 1" PEX x ½" FNP	Q7531050	2.63"	2.43"	1.54"	2.63"	2.43"	1.54"	0.783 lbs.
☐	ProPEX Fire Sprinkler Adapter Left Elbow, ¾" PEX x ½" FNPT	Q7547550	2.25"	1.95"	1.41"	2.25"	1.95"	1.41"	0.410 lbs.
☐	ProPEX Fire Sprinkler Adapter Left Elbow, 1" PEX x ½" FNPT	Q7541050	2.63"	2.43"	1.54"	2.63"	2.43"	1.54"	0.783 lbs.

Installation

Use appropriate ProPEX Ring when connecting the tubing. Refer to the AquaPEX Installation Handbook or the Uponor AQUASAFE Installation Guide for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; IRC; IMC; NPC of Canada

Listings

ANSI/NSF 14- and 61-certified; ICC ESR 1099; HUD MR 1269; IAPMO 3558; UL 1821; ULC/ORD - C 199 P

Related Applications

PEX-a Plumbing Systems
AQUASAFE Fire Safety Systems

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RESURGAM CITY OF PORTLAND, MAINE
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Inspections Division
Approved with Conditions
Date: 05/21/13
Planner: Benjamin Wallace Jr

1" Branch Manifold with ½" ProPEX® Lead-free (LF) Outlets

Submittal Information
Revision A: Jan. 28, 2010

Project Information

Job Name:

Location: | Part No. Ordered:

Engineer: | Date Submitted:

Contractor: | Submitted By:

Manufacturer's Representative: | Approved By:

Technical Data

Material:	Type L Copper; C69300 Brass
Maximum Temperature (no pressure):	320°F (160°C)
Maximum Working Temperature/Pressure:	210°F at 150 psi (99°C at 10 bar)
Maximum Flow Rate at 5 fps:	12.8 gpm
Maximum Flow Rate at 8 fps:	20.5 gpm

Product Information and Application Use

The Uponor 1" Copper Branch Manifold with ½" ProPEX® Lead-free outlets is used for hot and cold domestic potable water distribution systems.[1] The manifold has a 1" copper sweat fitting adapter supply connection. All outlets are configured with ½" ProPEX Lead-free brass connections.

✓	Description	Part Number	A	B	C	D	Weight
☐	1" Branch Manifold with ½" ProPEX LF outlets, 4 outlets	LF2801050	8.95"	2.40"	1.50"	½"	0.80 lbs.
☐	1" Branch Manifold with ½" ProPEX LF outlets, 6 outlets	LF2811050	11.95"	2.40"	1.50"	½"	1.10 lbs.
☐	1" Branch Manifold with ½" ProPEX LF outlets, 8 outlets	LF2821050	14.95"	2.40"	1.50"	½"	1.40 lbs.
☐	1" Branch Manifold with ½" ProPEX LF outlets, 10 outlets	LF2831050	17.95"	2.40"	1.50"	½"	1.70 lbs.
☐	1" Branch Manifold with ½" ProPEX LF outlets, 12 outlets	LF2841050	20.95"	2.40"	1.50"	½"	1.90 lbs.

Installation

Use any product designed to mount 1" copper pipe as a mounting bracket. Any bend within 6 inches of the ProPEX connection to the manifold requires the use of a Tube Talon (F7050750) or Bend Support (A5110500 and A5150500). Refer to the AquaPEX® Professional Plumbing Installation Guide or the AquaSAFE™ Residential Fire Sprinkler Installation Guide for additional information.

Standards

CAN/CSA B137.5; ASTM F877; ASTM F1960

Codes

IPC; UPC; NSPC; NPC of Canada

Listings

UL 1821; ULC/ORD - C 199P; ICC ESR 1099; ANSI/NSF 14- and 61-certified; IAPMO; U.P. Code, Annex G

Related Applications

PEX-a Plumbing Systems
Uponor Residential Fire Safety Systems
Radiant Heating and Cooling Systems

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