

## RIIFO PEX-B Tubing Specifications

### Product Information

RIIFO PEX-B tubing is manufactured with a high quality cross-linked polyethylene offering excellent corrosion resistance, high flexibility, and allows for fast and easy installation.

### Recommended Applications

RIIFO PEX-B tubing is recommended for hot and cold potable water distribution systems, under slab, and areas where there are bends and fittings are needed.

### Handling and Installation

RIIFO PEX-B tubing is tough yet flexible. It is, however, softer than metals and may be damaged by sharp objects. Use of these materials in hot and cold water distribution systems must be in accordance with good plumbing practices, applicable code requirements, and current installation practices available from RIIFO. RIIFO PEX-B tubing is manufactured to meet written national standards. Contact a RIIFO representative or the applicable code enforcement bureau for information about approvals for specific applications.

### Quality Assurance

When the product is marked with ASTM F876/F877 designation, it affirms that the product was manufactured, inspected, sampled and tested in accordance with these specifications and has been found to meet the specified requirements. All RIIFO tubing is manufactured in ISO9001 approved facilities.

### Features & Benefits

- Corrosion and scaling resistant
- Highest chlorine resistance rating available through ASTM
- Certified for lead-free safe supply of potable water
- Flexible multi-length coils require less fittings reducing connection errors and are easier to install
- Highly flexible and expands, making it more resistant to freeze breakage
- Available in red, white, and blue coils and straight lengths
- Coils are available in 100', 300', 500', and 1000' lengths
- Straight lengths are available in 10' and 20'
- 25 year warranty as a RIIFO system

### Compatible Fittings

RIIFO PEX tubing is approved for use with all RIIFO fittings. RIIFO offers lead-free brass crimp fittings, poly alloy crimp fittings, lead-free press fittings, and stainless sleeves.

- Crimp system – lead-free brass or poly alloy crimp
- Push system – push-fit or push-to-connect
- Press system – lead-free brass

### Certifications

RIIFO PEX-B tubing has been tested for physical, performance, and health effects to NSF/ANSI61 and NSF/ANSI14.

**PEX 5206** – Tested and listed to the NSF-pw (CL5) chlorine resistance rating for an end use condition of 100% at 140°F per ASTM F876, which is the highest chlorine resistance rating available through ASTM. When the product is marked with the PEX5xxx NSF-pw (CL5) designation, it affirms the product is approved for use in continuous domestic hot water circulation systems up to 140°F. RIIFO PEX-B tubing has a UV rating/warranty of 90 days.

RIIFO PEX-B-b certifications include, but are not limited to:

- ASTM E84
- ASTM 876
- ASTM 877
- NSF/ANSI 61
- NSF 14
- CAN/ULC S102.2
- CSA B137.5
- AWWA C904



## RIIFO PEX-B Tubing

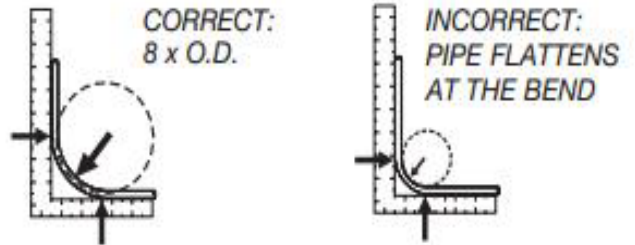
**Pressure Loss Table**  
Expressed as PSI/ft. Pressure Loss

GPM	3/8"	1/2"	3/4"	1"
0.5	0.025	0.005		
1	0.075	0.017		
2	0.261	0.053		
3	0.541	0.110	0.021	
4		0.184	0.035	
5		0.274	0.053	
6		0.381	0.730	0.022
7		0.440	0.963	0.029
8			0.123	0.037
9			0.151	0.046
10			0.183	0.055
11			0.217	0.065
12			0.254	0.076
13			0.296	0.088
14				0.101
15				0.114

**Minimum Burst Pressure (PSI)**  
Per ASTM F876/F877

Size	73°F (23°C)	180°F (82°C)
3/8"	620	275
1/2"	480	215
3/4"	475	210
1"	475	210

### Minimum Bend Radius



Note: RIIFO PEX-B tubing may be bent to a minimum of 6 x O.D. with approved bend support.

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ASTM F876/F877

Stock Code	Tubing Size	O.D.	Wall Thickness	Nom I.D.	Weight per 100 ft.	Vol (gal) per 100 ft.
PX14	1/4"	0.375±0.003	0.062+0.010	0.241	3.00	0.30
PX38	3/8"	0.500±0.003	0.070+0.010	0.360	4.50	0.50
PX12	1/2"	0.625±0.004	0.070+0.010	0.485	5.80	0.92
PX34	3/4"	0.875±0.004	0.097+0.010	0.681	11.00	1.83
PX1	1"	1.125±0.005	0.125+0.013	0.875	17.06	3.03