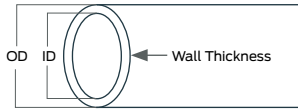




# SharkBite™ PEX-b Red PEX-b Tubing

SharkBite™ PEX-b is a cross-linked polyethylene tubing designed for use in residential and commercial applications.

## Specification Data



### Tubing Dimensions

| Nominal Size (CTS) | O. D. (in)    | Wall Thickness (in) | Approx. I.D. (in) | Weight per ft. (lb.) | Volume per ft. (gal.) |
|--------------------|---------------|---------------------|-------------------|----------------------|-----------------------|
| 3/8"               | 0.500 ± 0.003 | 0.070 + 0.010       | 0.35              | 0.041                | 0.005                 |
| 1/2"               | 0.625 ± 0.004 | 0.070 + 0.010       | 0.475             | 0.053                | 0.009                 |
| 3/4"               | 0.875 ± 0.004 | 0.097 + 0.010       | 0.671             | 0.102                | 0.018                 |
| 1"                 | 1.125 ± 0.005 | 0.125 + 0.013       | 0.862             | 0.170                | 0.045                 |

Tolerances referenced from ASTM F876.

## Applications

Potable water, residential fire suppression, radiant heating, direct burial, embedment in concrete, snow & ice melting, geothermal ground-loops, turf conditioning, municipal water service lines & plenum application.

### Materials

Cross-Linked Polyethylene / PEX-b / Silane Method

### Materials Designation Code - PEX 5306

|                         |  |
|-------------------------|--|
| (5) Chlorine Resistance | Rated to continuously recirculate hot water at 140°F (40°C)                                  |
| (3) UV Resistance       | Six-month UV resistance  |
| (06) Hydrostatic Stress | 160 psi @ (33°F - 70°F)<br>(0.5°C - 21°C)<br>100 psi @ 180°F (80°C)<br>80 psi @ 200°F (93°C) |

For more technical data, visit the product at:  
<https://www.sharkbite.com/products/potable-plex-b>

## Certifications & Listings

CSA B137.5, ANSI/NSF/CAN 61, NSF/ANSI 14, ASTM F876, ASTM F2023, ASTM F2657, ASTM F877, UL 1821, ASTM E84, ASTM E119 & CAN/ULC S101, AWWA C904



Refer to local plumbing code

### Part number and description

| Part #    | PEX Tubing (Coil) |
|-----------|-------------------|
| U855R100  | 3/8" 100' Coil    |
| U860R25   | 1/2" 25' Coil     |
| U860R50   | 1/2" 50' Coil     |
| U860R100  | 1/2" 100' Coil    |
| U860R300  | 1/2" 300' Coil    |
| U860R500  | 1/2" 500' Coil    |
| U860R1000 | 1/2" 1000' Coil   |
| U870R25   | 3/4" 25' Coil     |
| U870R50   | 3/4" 50' Coil     |
| U870R100  | 3/4" 100' Coil    |
| U870R300  | 3/4" 300' Coil    |
| U870R500  | 3/4" 500' Coil    |
| U880R100  | 1" 100' Coil      |
| U880R300  | 1" 300' Coil      |
| U880R500  | 1" 500' Coil      |

| Part #  | PEX Tubing (Straight Length) |
|---------|------------------------------|
| U860R2  | 1/2" 2' Straight Length      |
| U860R5  | 1/2" 5' Straight Length      |
| U860R10 | 1/2" 10' Straight Length     |
| U860R20 | 1/2" 20' Straight Length     |
| U870R2  | 3/4" 2' Straight Length      |
| U870R5  | 3/4" 5' Straight Length      |
| U870R10 | 3/4" 10' Straight Length     |
| U870R20 | 3/4" 20' Straight Length     |
| U880R5  | 1" 5' Straight Length        |
| U880R10 | 1" 10' Straight Length       |
| U880R20 | 1" 20' Straight Length       |

### Bend Radius

Unsupported Bend Radius = 8 X O.D.

### Expansion & Contraction Rate

Expansion rate: 1.1" / 10°F / 100'

### Product Submittal

|                 |  |
|-----------------|--|
| Name            |  |
| Date            |  |
| Architect/Owner |  |
| Contractor      |  |
| Tag             |  |
| Notes           |  |