



# Benefits of Zurn PEX®

Unique System Solutions  
That Save Time and Money



Zurn PEX specializes in cross linked polyethylene tubing for use in plumbing, radiant heating, snow melt applications, and more. Choose Zurn PEX for a reliable, recognized manufacturer to supply your entire installation.

## Ease of Installation

- Flexible tubing is easier to install and requires up to 90% less fittings compared to traditional materials, reducing labor and potential for leaks.
- Installation of PEX tubing with the Zurn crimp system reduces labor and installation time, without the need for soldering, hazardous chemicals, torch, or specialty tools.

## Resists Corrosion and Mineral Build Up

- Zurn PEX tubing is corrosion resistant, extending the life of your system, versus copper which can corrode and collect mineral build up.

## Freeze Resistant

- PEX systems expand during freezing to resist damage where copper and CPVC systems can burst, causing thousands of dollars in damage.

## Safe, Clean, and Healthy

- Zurn PEX tube is certified to NSF 61 for safe use with potable water. Zurn PEX tubing is free of heavy metals such as lead, and is free of BPA to ensure the highest quality.

## Quiet Operation

- Zurn PEX tubing does not amplify sound and expands to absorb the effects of water hammer, resulting in a system that is quiet during operation.

## Energy Efficient

- Zurn PEX tubing has a higher thermal resistance than copper and CPVC, allowing hot water lines to stay hotter longer.

## Proven and Reliable Crimp Installation Method

- Crimp systems are immediately full strength upon installation, provide 360 degree uniform pressure, and deliver more flow than required by fixture demand.
- Zurn offers the widest range of crimp solutions, such as the innovative QickCap® copper crimp ring and stainless steel options.

## 25-Year Warranty

- Zurn, a leader in the plumbing industry for over 115 years, backs the Zurn PEX plumbing system with an industry leading 25-year warranty.

# Benefits of Zurn PEX®

## Zurn PEX utilizes the Silane production method to provide the most durable and reliable PEX tubing.

- The Silane production method allows the use of beneficial additives (antioxidant stabilizers, ultraviolet (UV) stabilizers, and colorants) without interfering with the material's ability to cross-link, providing a superior tubing.
- The Zurn formulation additives result in tubing that qualifies for the highest chlorine and UV resistance as defined in ASTM F876, extending the life of your system.
- Zurn's cross-linking method creates a more dimensionally stable and consistent tubing than cross-linking methods that require extreme pressures or secondary steps.



## Zurn PEX Silane Method demonstrates superior performance in these areas:

- Strength (23% stronger than Peroxide manufactured tubing)
- Resistance to UV degradation (up to 6 months of direct exposure)
- High temperature and pressure resistance
- Flexibility and impact resistance to stand up to tough job site conditions and allow for easy installations
- Life expectancy at elevated temperatures and pressures

## Performance Comparison

### TENSILE YIELD STRENGTH TESTING RESULTS

Material	73°F	180°F
Zurn PEX	2922	1806
Peroxide/Engle	2438	1647
Radiation/E-beam	2753	1501

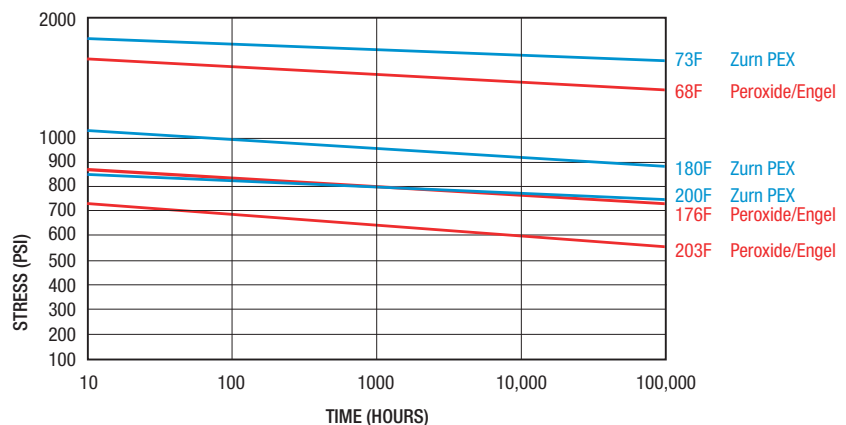
Tensile Yield Strength (psi) testing performed at an independent laboratory. Yield strength is the stress point at which the material becomes permanently deformed.

### QUICK BURST TESTING RESULTS

Material	180°F
Zurn PEX	375
Peroxide/Engle	305
Radiation/E-beam	315

Quick Burst (psi) testing performed at an independent laboratory. Average quick burst pressure at 180°F in accordance with ASTM Standards.

Zurn PEX Hydrostatic Data - reviewed by the Hydrostatic Stress Board of the Plastic Pipe Institute. Peroxide data is derived from a peroxide manufacturer's published literature.



## Approvals

- Zurn's Silane cross-linking process far surpasses the quality requirements set forth by F876 (160 PSI @ 73.4°F, 100 PSI @ 180°F and 80 PSI @ 200°F).
- Zurn PEX tube may be used in plenum applications when installed according to Zurn installation requirements.
- Meets requirements for continuous hot water recirculation as defined in ASTM F876.
- All Zurn PEX tubing is 'MADE IN THE USA' in state-of-the-art manufacturing facilities.

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