

# Uponor PEX-a vs. CPVC and Copper

	PEX-a	CPVC	Copper
Resists corrosion, pitting and scaling	Yes	Yes	No
Flexibility helps resist freeze damage	Yes	No	No
Retains heat in hot-water lines; resists condensation on cold-water lines	Yes	Yes	No
Dampens rushing water noise; eliminates water hammer and singing pipes	Yes	No	No
Cannot be dry-fit; eliminates potential for future leaks and blow-offs	Yes	No	No
Manufactured connection system; eliminates need for chemicals and torches that can harm the environment	Yes	No	No
NSF International certification for water purity	Yes	Yes	No
Flexible, eliminating added fittings and liability	Yes	No	No



Uponor ProPEX



CPVC



Copper

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**Proven**  
More than 40 years of use in structures around the world.

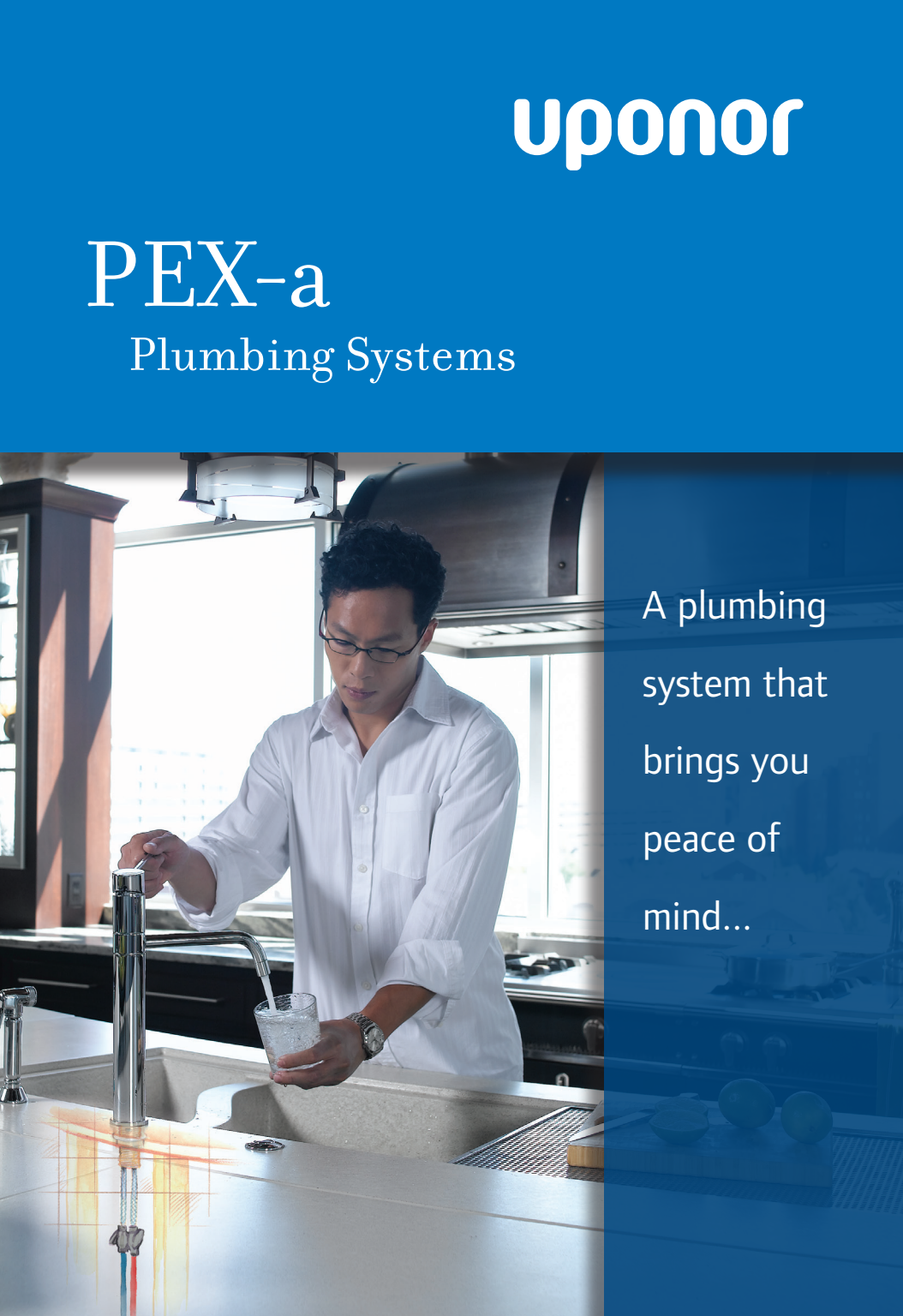
**Reliable**  
Won't pit, scale or corrode like copper; most freeze-resistant piping available today.

**Leak-resistant Connections**  
Industry's quickest, easiest connection system with instant visual verification; no chemicals or gauges required.

**Quiet**  
Greatly reduces water hammer and noise from fluid transmission.

**Guaranteed**  
Backed by a 25-year limited warranty on Uponor AquaPEX® tubing and ProPEX® fittings.

\*For details visit [www.uponor-usa.com/warranties](http://www.uponor-usa.com/warranties).



## PEX-a Plumbing Systems

A plumbing system that brings you peace of mind...



For more than 40 years,  
Uponor has been  
providing safe, reliable  
and durable systems.



Uponor (pronounced OOP-uh-nor) manufactures a flexible plastic tubing called PEX, an acronym for crosslinked polyethylene, which is used in its plumbing, fire sprinkler and radiant floor heating/cooling systems.

If you're familiar with copper or CPVC pipe for plumbing, you might be surprised to know that PEX is now installed more often in new-home construction than copper and CPVC combined.

This is because of the extreme durability and cost-effectiveness of PEX. PEX resists corrosion, pitting and scaling and, due to its extreme flexibility, PEX can actually expand up to three times its original diameter, making it the most freeze-resistant piping available.

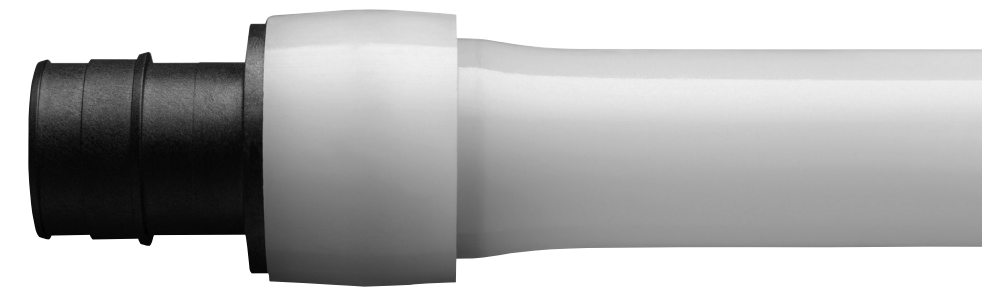
And because it's not made from metal, PEX eliminates concerns of dangerous lead and other metals in a plumbing system.

### Green Ideas in Circulation...

Uponor provides a unique system layout called Logic Plumbing. This concept is a proven combination of Uponor tubing and fittings that provides the most efficient use of materials and offers the most effective water-delivery system for a home.

Adding a D'MAND® Hot Water Delivery System to an Uponor Logic Plumbing layout can help save even more water and energy — as well as eliminate the wait time for hot water to arrive at the tap.

It's these smart technologies and intelligent design concepts that make Uponor plumbing the system of choice for homeowners and plumbing professionals alike.



## Why Uponor PEX-a?

In 1968, inventor Dr. Thomas Engel developed a method to crosslink polyethylene (PEX-a) to create a highly flexible, durable piping material.

This breakthrough provided a new way to transport water that made plumbing systems cleaner, quieter and more reliable.

Uponor systems feature Engel-method PEX-a tubing with the unique ProPEX® connection method.

This combination offers full-flow fittings and higher performance without the need for dangerous joining chemicals, solder and torches that are harmful to the environment.