

Why PEX-A Over PE-RT?



Benefits of Choosing PEX-A

With more than 45 years of proven performance, PEX-A is the leader in flexible plastic piping systems. It is the worlds most tested and approved PEX piping product. It's high degree of crosslinking makes it the toughest - but still most flexible pipe on the market.

PE-RT is made of non-crosslinked piping material, that is simply not as strong. It does not meet ASTM F876/877 testing standards for burst and pressure.



Features	PEX-A	PE-RT
Kink Repairable	✓	✗
200F temperature rating	✓	✗
potable listing for barrier pipe	✓	✗
Freeze Resistance	✓	✗
Over 4 decades of proven performance	✓	✗
Most tested pex pipe on market	✓	✗
Cross-Linked	✓	✗
Thermal Memory	✓	✗
Meets ASTM F876/877 burst standards	✓	✗
Best cold weather workability	✓	✗

Let's Compare...

Features	PEX-A	PE-RT
Level of Crosslinking	High degree of crosslinking which provides toughness and longevity.	None. PERT is simply an over-stabilized HDPE.
Thermal Memory	Excellent thermal memory which allows kink repairs. Passes ASTM F876 Hot Bend test.	Kink repair is not possible due to poor or no thermal memory. ASTM Hot Bend test cannot be performed, since the pipes melt when heated with hot air.
Maximum Operating Temperature	As high as 200°F (93°C).	Up to 180°F (82°C).
Pressure Rating	PEX is required to withstand 720 hrs of 150 psig constant pressure with water at 210°F (99°C) before failure. Pexflow PEX-A surpasses the 720 hrs.	PERT is only required to withstand 48 hrs and cannot meet the same temperature / pressure ratings as PEX.
Environmental Stress Crack (Resistance to Cracking)	PEX is required to withstand 100 hrs before failure. Pexflow PEX-A is tested to withstand more than 1,000 hrs.	Unknown. PERT has no test method for proving this. Testing to the PEX standard shows that PERT failed after 10 hrs.
Flexibility	Kink repair is possible. Coils straighten with no effort, allowing for much easier installation. Minimizing need for straight runs of tubing that are difficult to transport	Kink repair is NOT possible. Less Flexible
Performance	More than 40 years of proven performance throughout North America.	Limited short term experience.

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy.



PEXFLOW PEX TUBING FOR POTABLE WATER SUPPLY PEX-A006 1/2 inch

PEXFL

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