



Polyethylene Pipe



SUSTAINABLE & DEPENDABLE PERFORMANCE

Polyethylene (PE) is one of the world's most widely used piping materials. PE pipes provide clean drinking water, safely transport natural gas and protect sensitive electrical and telecommunication cables that keep the world connected. The beneficial characteristics of plastic pipes enhance sustainability across several industries.



Saves Water

Water is a precious resource that should never be wasted. PE pipes are fused together to create a watertight seal, while other pipes are typically connected using mechanical joints prone to leakage. PE pipe fusion joints are as strong and flexible as the pipe itself, turning a weakness of most piping systems into one of PE pipe's greatest strengths.



Small Footprint

PE pipe's lightweight properties allow for significant fuel savings during transportation compared to iron and concrete pipe.

A 20-foot length of corrugated PE pipe weighs about 600 pounds. A reinforced concrete pipe of the same diameter weighs over 22,500 pounds, more than 37 times heavier.³ Imagine the difference in fuel expenses when transporting these two materials!



Sustainable Design

The lightweight and flexible nature of PE pipe reduces installation time and lowers costs compared to other piping materials. It can be installed without digging long, disruptive trenches, greatly reducing potential impacts on communities and the environment.

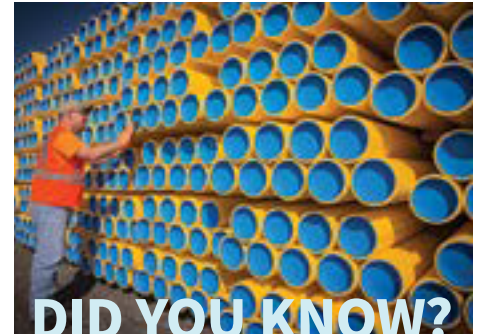
PE pipe is resistant to biological growth and corrosion, which can cause metallic pipe to fail prematurely and fall short of its expected service life. Additionally, the combined toughness and flexibility of PE pipe make it uniquely capable of handling seismic and impact events compared to other piping materials.

PE pipe can create leak-free systems that require minimal maintenance and boast longer service lives for the critical infrastructure we need every day. The incredible versatility, strength, and low impact of Performance Pipe's PE pipe results in a longer lifespan and make it a sustainable choice for pipe applications all over the world.

¹ American Water Works Association

² Home Water Works, home-water-works.org, 2011

³ Plastics Pipe Institute, A Greener Infrastructure



DID YOU KNOW?

While pipes made from other materials are allowed to leak a large amount of water, PE pipes meet higher standards and boast zero leakage allowance.¹

Over 10 miles, PE pipe can save nearly 450,000 gallons of water from leaking each year. That's nearly the same amount as leaving your shower running for five months straight, day and night!²

