

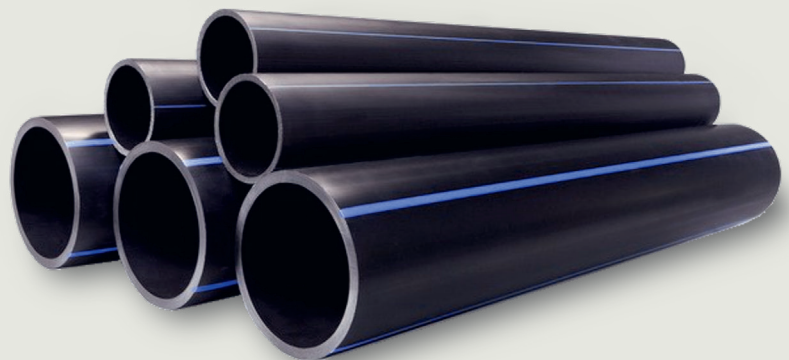


PE Water Pipe Systems

Reliable and long-lasting polyethylene pipe solutions for safe drinking water distribution

Pipelife polyethylene potable water pipe systems are designed to deliver safe and hygienic drinking water under demanding operating conditions. Manufactured from high-quality PE32, PE40, PE100 raw materials, these pipes offer excellent durability, corrosion resistance and long service life for municipal water infrastructure.

- **Exceptional corrosion resistance** ensuring long-term performance in aggressive soil conditions
- **Flexible and durable pipe structure** enabling easy installation and resistance to ground movements
- **Leak-free joining systems** through welding and electrofusion technology
- **Superior hydraulic performance** thanks to smooth inner pipe surfaces



Technical details

Material: PE32/PE40 /PE100 high-density polyethylene
Standards: ISO 4427 / EN 12201
Diameter range: Ø20 mm – Ø630 mm
Pressure classes: PN6 – PN32
Pipe forms: Straight pipes and coils
Joining methods: • Electrofusion welding • Butt welding
 • Mechanical fittings

Product features

High resistance to corrosion and chemicals
Long service life exceeding 50 years
Excellent impact resistance and flexibility
High resistance to crack
Low friction coefficient for efficient water flow

Usage

Installation types:
 Buried underground water distribution networks
 Municipal infrastructure pipelines
 Pump station connections
 Fire hydrant systems
 Industrial transition of chemicals

Application areas

- Drinking water distribution lines
- Municipal water supply networks
- Agriculture irrigation systems
- Industrial water systems

PE pipes provide high durability and long service life while maintaining hydraulic efficiency due to their smooth internal surfaces and corrosion resistance.

Technical Performance Table

Property	Unit	PE32	PE40	PE100
Density	g/cm ³	0.900–0.910	0.930–0.940	≥0.930
Minimum Required Strength (MRS)	MPa	3.2	4	10
Long Term Hydrostatic Strength	MPa	3.2	4	10
Maximum Operating Pressure	bar	up to 16	up to 16	up to 25
Operating Temperature	°C	-20 to +40	-20 to +45	-20 to +60
Expected Service Life	years	>50	>50	>50
Oxidation Induction Time (OIT)	Min	>20	>25	>40



Find the right PE pipe system for your project from our full product range

wienerberger TR

No: 403-1,1-, Ankara Ave, Yenisehir, Pendik, Istanbul, TÜRKİYE
 T: +90 (0216) 378 36 20 F: +90 (216) 378 36 27

Niğde Factory

Organized Industrial Zone, 3rd Street No: 8, Fertek, Niğde 51200, TÜRKİYE
 T: +90 (388) 502 00 15