

PE Water Supply Pipe

This PE pipe is designed for water supply, featuring a smooth wall and non-toxic composition. It is abrasion resistant and suitable for pressure conveyance of drinking water in building applications where temperatures remain below 40°C.



Product Overview

PE Water Supply Pipe

This high-performance PE pipe is engineered for reliable water supply in both overhead and underground building applications. Featuring a non-toxic composition with a smooth inner wall, it offers low flow resistance and prevents dirt accumulation. The material provides excellent stiffness and abrasion resistance, ensuring long-term durability for pressure conveyance and drinking water systems with temperatures below 40°C.

Key Characteristics

Key Features

Non-toxic, Smooth Wall, Low Resistance, Low Water Absorption, Anti-scaling, Abrasion Resistant

Compliance & Standards

Compliance Standards

GB/T 13663-2000 • GB/T 17219

Performance Indicators

Physical & Mechanical Indicators

Property	Requirement/Index
Breaking Elongation	>350%
Longitudinal Retraction Rate (110°C)	d 3%
Oxidation Induced Time (200°C)	> 20 min
Hydrostatic Pressure Strength (80°C, 165h)	No breakage, no leakage

Hydrostatic Pressure Strength

8 MPa

PE 63 (80°C, 165h)

9 MPa

PE 80 (80°C, 165h)

12.4 MPa

PE 100 (80°C, 165h)

Operational Limits

Usage Limitations

- Max conveyance temperature: 40°C
- Suitable for overhead building applications
- Suitable for underground building applications
- Suitable for pressure water conveyance
- Suitable for drinking water supply