

HDPE Water Supply Pipe

PE100 Pressure Pipe for Potable Water — DN12 to DN2000

Product Overview

Primepoly HDPE water supply pipe is a PE100 pressure pipe engineered for municipal potable water distribution, urban trunk mains and high-rise plumbing risers. Manufactured from virgin Borealis or SABIC PE100 resin, available in the full DN12 – DN2000 size range with pressure ratings from PN 4 to PN 25, and certified to ISO 4427, EN 12201, ASTM F714 / D3035, WRAS and NSF/ANSI 61.

Technical Specifications

Parameter	Specification
Material grade	PE100 (Borealis or SABIC virgin resin)
Diameter range	DN12 – DN2000 mm
Pressure class	PN 4 – PN 25 (SDR 41 – SDR 7.4)
Length supply	5.8–5.9 m sticks (20'GP) · 11.8–11.95 m (40'HC) · 100/150/200 m coils ≤ DN 110
Colour	Pure blue, or black with 4 longitudinal blue stripes
Operating temp	0 °C – 40 °C continuous (derate at higher T)
Service life	50 – 100 years (per ISO 9080 hydrostatic design basis)
Joining method	Butt fusion · Electrofusion · Mechanical compression · Flanged

Typical Applications

- Municipal potable water trunk mains (DN 200+)
- Urban water distribution networks
- High-rise commercial / residential plumbing risers
- Rural and small-town water supply extensions
- Industrial process-water and chilled-water systems
- Trenchless installation: HDD, pipe-bursting, sliplining

Standards & Certifications

ISO 4427 EN 12201 ASTM F714 ASTM D3035 WRAS NSF/ANSI 61 ISO 9001 CE

Why Primepoly

Real factory, not a trading company. Primepoly operates a fully-owned PE / PVC pipe and fitting factory in Zhengzhou, Henan — ISO 9001 quality plan, in-house QC lab, full hydrostatic test and material qualification on every production batch.

Documentation that clears consultant review on first submission. Every shipment carries the mill certificate, batch resin certificate, third-party inspection report (SGS / BV available) and the destination-specific compliance documents (WRAS / NSF 61 / SASO / PVOC / etc.).

Engineering support on every order. Our application engineers respond to technical queries within one working day. For distributor and project customers we send installer training to site for the first shipment.

Request a quotation

Send DN / SDR / length / destination port to sales@primepolypipes.com — engineering team responds within one working day with FOB or CIF pricing.