

HDPE Gas Pipe

Yellow PE100 Pipe for Natural Gas Distribution

Product Overview

Primepoly yellow PE100 gas pipe is the global standard for urban natural-gas distribution networks. Certified to ISO 4437, EN 1555 and GB 15558. Inherently leak-tight after electrofusion welding, non-corroding (no cathodic protection budget required), and pipe-burstable in place — operators replace dying cast-iron gas mains by pulling new PE through the old in 50–300 m sections without trenching the street.

Technical Specifications

Parameter	Specification
Material grade	PE100 (PE80 legacy on request)
Standards	ISO 4437 · EN 1555 · GB 15558 · AS 4130
Diameter range	DN 20 – DN 630 mm
Pressure class	Up to 10 bar at 20 °C for PE100
Colour	Yellow (or black with 4 yellow longitudinal stripes ≥ 1.5 mm)
Joining	Electrofusion mandatory above DN 90 · Butt fusion with qualified procedure
Traceability	QR-code marking on every fitting (optional)
Service life	50+ years (gas service)

Typical Applications

- Urban natural gas distribution mains
- Cast-iron gas main replacement (pipe-bursting)
- Gas service-line connections to residential and commercial users
- Industrial site gas reticulation
- Compressed-natural-gas (CNG) refuelling-station underground lines

Standards & Certifications

ISO 4437

EN 1555

GB 15558

AS 4130

ISO 9001

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.