

HDPE Irrigation Pipe

PE100 Coil and Stick Pipe for Agricultural Irrigation

Product Overview

HDPE pipe engineered for the full agricultural irrigation system — drip lateral lines, sprinkler sub-mains and buried farm trunk mains. Coil supply (100 / 150 / 200 m) at small DN dramatically reduces field joints and labour.

UV-stable carbon-black formulation for above-ground exposure across all climates.

Technical Specifications

Parameter	Specification
Material grade	PE100 (drinking-water grade)
Diameter range	DN 16 – DN 630 mm
Pressure class	PN 4 – PN 16
Supply form	Coils 100/150/200 m (DN 20–DN 110) · 6 m / 12 m sticks (\geq DN 90)
Wall finish	Smooth — minimises drip-emitter clogging
Punch compatibility	Drip emitters punch directly into lateral wall
Joining	Butt fusion · Compression · Solvent-weld adapter to PVC
Cold-weather tolerance	Flexible to -40 °C — survives freeze-thaw

Typical Applications

- Drip irrigation laterals (DN 16–63)
- Sprinkler sub-mains and risers
- Buried farm trunk mains (DN 110+)
- Pivot-irrigation supply lines
- Greenhouse and high-tunnel water systems
- Pump-station discharge to farm storage

Standards & Certifications

ISO 4427

EN 12201

AS/NZS 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.