

# HDPE Mining Pipe

PE100 / PE100-RC Pipe for Slurry, Dewatering and Tailings

## Product Overview

Industrial-grade HDPE pipe engineered for the demands of mining operations — abrasive slurry transport, mine dewatering, tailings lines and process water. PE100 base with optional PE100-RC notch-resistant grade for direct-burial and impact-load service. UV-stable carbon-black + optional co-extruded white outer layer for above-ground UV protection.

## Technical Specifications

Parameter	Specification
Material grade	PE100 / PE100-RC (notch-resistance for mining)
Diameter range	DN 50 – DN 1200 mm (3.5 in. – 47 in.)
Pressure class	PN 6 – PN 25 (SDR 26 – SDR 7.4)
Co-extruded layer	White + black UV-resistant outer (optional)
Abrasion lifetime	5–10x longer than carbon steel on Cu / Fe / Au slurry duty
Joining method	Butt fusion · Electrofusion · Flanged ends
Repair	Cut-and-fuse field repair without crane or welder
Service life	10–25 years on slurry duty (linear abrasion)

## Typical Applications

- Copper concentrator slurry mains
- Iron-ore tailings transport
- Gold mine dewatering and concentrate lines
- Coal mine ventilation and dewatering
- Mine-site water supply infrastructure
- Phosphate ore slurry and process water

## Standards & Certifications

ISO 4427

EN 12201

AS/NZS 4130

ASTM F714

PIPA POP001  
(mining)

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](mailto:sales@primepolypipes.com) — engineering team responds within one working day with FOB or CIF pricing.