

HDPE Dredging Pipe

Floating and Submerged Discharge Pipe for Dredging

Product Overview

HDPE pipe and pipe sections fabricated for floating and submerged dredge-discharge lines. Lightweight ($\approx 1/8$ the weight of steel at equivalent DN), abrasion-resistant against sand / silt / dredge spoil, and supplied with pre-installed steel-flanged ends for fast on-water joint assembly. Ideal for port-deepening, harbour expansion, sand-reclamation and beach nourishment projects.

Technical Specifications

Parameter	Specification
Material grade	PE100 / PE100-RC marine grade
Diameter range	DN 200 – DN 1200 mm
Pressure class	PN 6 – PN 10
Length per section	12 m standard; custom lengths to 18 m on request
End preparation	Pre-fused HDPE stub-end + steel backing flange (drilled)
Float configuration	Auxiliary float rings every 8–12 m (optional)
UV stability	Marine-grade carbon-black + elevated UV stabiliser
Joining on-water	Field bolt-up — no welder required

Typical Applications

- Port deepening and harbour maintenance dredging
- Beach nourishment and sand replenishment
- Land reclamation and island construction
- River-mouth maintenance and silt clearance
- Sand-mining transport from offshore to shore

Standards & Certifications

ISO 4427

EN 12201

Manufacturer marine-grade spec

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.