

# HDPE Aquaculture Pipe

Marine-Grade PE100 Pipe and Brackets for Fish-Farm Systems

## Product Overview

PE100 marine-grade HDPE pipe and custom-fabricated brackets for floating fish-farm cages, intake / outfall lines and seawater circulation systems. FDA / EU / NSF 61 food-contact certified, UV-stable for 25+ year surface exposure, inherently inert to salt water and chemical disinfection cycles.

## Technical Specifications

Parameter	Specification
Material grade	PE100 marine grade (elevated UV stabiliser)
Diameter range	DN 160 – DN 630 mm
Pressure class	PN 6 – PN 10 (cage rings — wall set by mechanical load)
Service life	15–25 years in marine surface service
Bracket fabrication	Custom — drawings reviewed by Primepoly engineers
Colour	Black with white UV-reflective top stripe
Joining	Butt fusion · Electrofusion · Flanged · Custom brackets
Compliance	FDA / EU food-contact safe · NSF/ANSI 61

## Typical Applications

- Floating salmon / shrimp / sea-bream cage rings
- Mussel and oyster floating-raft framework
- Seawater intake lines to land-based RAS facilities
- Treated-effluent outfall lines
- Marine-pond aeration and circulation pipework

## Standards & Certifications

ISO 4427

EN 12201

FDA 21 CFR 177.1520

NSF/ANSI 61

## 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.