



## Dyneema® Fiber

### STRONG DYNEEMA FIBER FOR HIGH-PERFORMANCE BARRIER NETS

Protecting aquatic infrastructure products calls for barrier nets that are both strong and durable. Pacific Netting Products has designed and produced more than six million square feet of protective netting systems using Dyneema fiber support ropes and netting.



Dyneema is the proprietary brand name of HMPE (high modulus polyethylene) fiber manufactured by DSM. This man-made fiber is among the strongest fibers manufactured today. Technically, it is an ultra-high molecular weight, low density, highly crystalline linear polyethylene fiber. Ropes and cordage products made from Dyneema fiber are as strong or stronger than equivalent-sized steel wire ropes but weigh 85% less. Dyneema fiber delivers increased abrasion resistance and better flex fatigue performance compared to steel wire, yet it is light enough to float. Highly UV-resistant, it is impervious to damage from nearly the full spectrum of industrial chemicals. Its smooth surface with a low coefficient of friction results in less damage to other system components and to the fish and marine life it is to divert. The smooth surface also provides low adhesion for zebra mussels and other forms of biological growth.

### KEY FEATURES

- Highest strength with least amount of surface area
- Same strength as equivalent-sized steel wire rope, at one-seventh the weight
- Excellent UV, abrasion, and fatigue resistance
- Does not decay or absorb water
- Good solution for fish guidance, impingement, and entrainment control
- Presents an extremely smooth surface for fish and marine life
- Low adhesion of marine growth and zebra mussels compared to alternative materials

## About PNP

PNP's administrative headquarters and manufacturing facility are located in Kingston, Washington, USA. As a family-owned and operated company, PNP was founded on the principle that listening carefully to customers is the best way to deliver the quality they need and surpass the service they expect. PNP has been manufacturing and supplying systems since 1997, so we know what it takes to successfully execute and deliver a project on schedule and within budget.