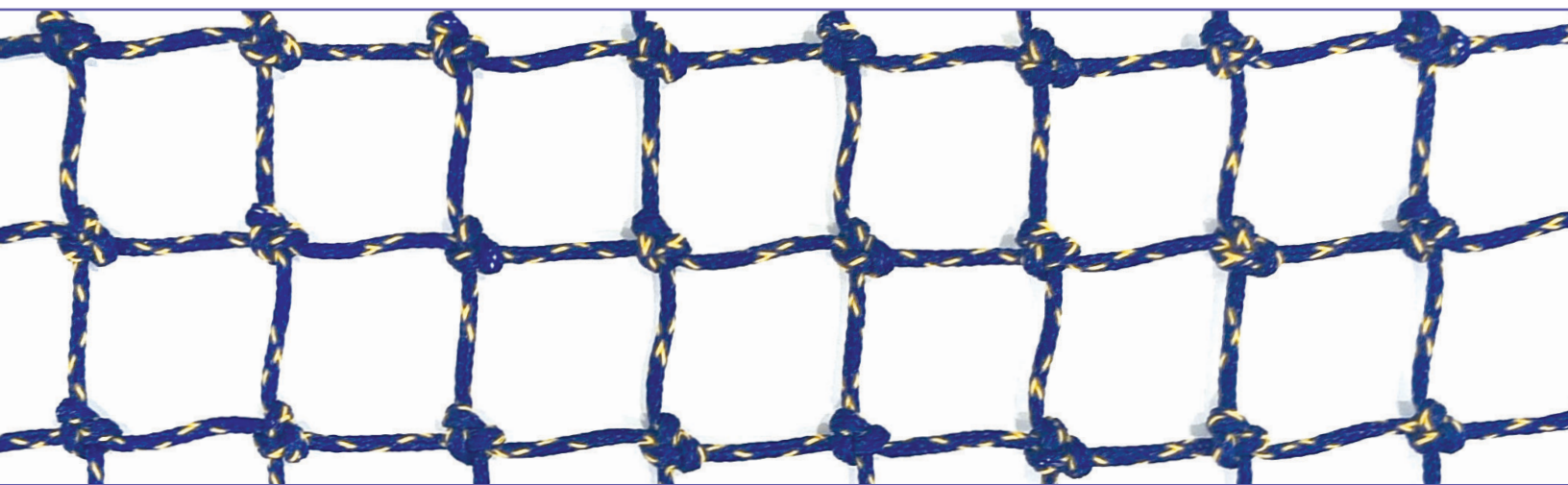




AQUAMARINE HMPE

KNOTTED HDPE WITH HMPE CORE

Aquamarine HMPE is an advanced braided and knotted netting engineered for applications demanding exceptional strength, reduced drag, and long term durability. Designed with an optimized yarn architecture, Aquamarine HMPE combines HDPE monofilament yarn with a high performance HMPE (UHMWPE) reinforced core, delivering outstanding mechanical performance while maintaining a lightweight structure.

Advanced Yarn Construction

Aquamarine HMPE features a robust HDPE monofilament outer yarn that enhances abrasion resistance, coupled with a hybrid core consisting of HDPE and UHMWPE/HMPE yarns. This intelligent material combination maximizes tensile strength while minimizing material usage, resulting in a superior strength to weight balance.

Material Highlights

- HDPE monofilament for durability and abrasion resistance
- UHMWPE/HMPE yarn for ultra high tensile strength
- Optimized hybrid construction for reduced weight

Exceptional Performance Characteristics

- High strength to weight ratio
- Reduced twine diameter
- Lower drag force
- Durability & protection
- Enhanced abrasion resistance
- Improved cut resistance
- Sustainability advantage



Recyclable



Cut Resistance



Better Abrasion Resistance



Structurally Stable



Ease of Handling

Twine Size (mm)	Runnage (m/kg)	MBS (kgf) (±5%)	Cut Resistance (kgf)	Specific Gravity
1.7	390	96	6.8	0.95
1.8	360	117	8.5	
2.1	295	136	9.2	
2.5	260	151	12	
2.8	230	185	14	
3.8	100	350	18	
4.5	85	400	20	
4.8	73	500	22	
5	65	600	24	
6	45	700	28	
8	30	950	30	