

AQUAMARINE NEXT GENERATION

BRAIDED KNOTTED WITH HYBRID YARN TECHNOLOGY

Aquamarine Next Generation Braided Netting is a premium trawl netting solution developed using an innovative blend of HDPE and Polypropylene fibers. Designed for modern commercial fishing operations, it combines high strength, low weight, and superior abrasion resistance. The advanced material formulation and optimized braided construction provide exceptional durability under demanding marine conditions. This netting is particularly suitable for trawl applications where operational efficiency, fuel savings, and extended service life are critical.

Material Excellence

Aquamarine Next Generation Braided Netting is manufactured from carefully selected High-Density Polyethylene (HDPE) and Polypropylene (PP) fibers. This advanced material combination provides an excellent balance between strength, flexibility, and weight reduction. The premium-grade polymers are engineered to withstand harsh marine environments, including prolonged exposure to seawater, sunlight, and abrasive seabed conditions. The HDPE component contributes outstanding wear resistance and durability, while the PP component enhances flexibility and handling characteristics. Together, they create a highly reliable netting material capable of maintaining its performance over extended fishing operations. The carefully controlled manufacturing process ensures consistent yarn quality and uniform product performance.

Key Material Advantage

- The hybrid HDPE-PP construction
- Fully recyclable and eco-friendly
- Free from mixed-material contamination

Superior Structural Design

The precision braided construction is designed to distribute loads uniformly throughout the net structure. Advanced braiding technology ensures excellent mesh stability and dimensional consistency. The design minimizes localized stress points and enhances resistance to mechanical fatigue. The braided structure maintains its integrity during repeated deployment and retrieval cycles. Improved load-



Nominal Dia. (mm)	Runnage (m/kg)	Twine Breaking Strength (kgf)	Knot Breaking Strength (kgf)
1.2	840	62	75
1.5	576	84	94
1.7	515	100	120
2.1	350	140	185
2.3	262	175	220
2.6	220	225	280
3.1	190	260	315
3.5	168	300	355
3.8	138	355	425
4.2	110	420	515
5	80	590	745
6	61	730	940
6.7	52	860	1100
7.2	39	1050	1350

sharing capability enhances durability under demanding fishing conditions. The optimized construction also promotes efficient water flow through the net, reducing hydrodynamic resistance and improving operational efficiency. This superior design contributes to reliable and consistent fishing performance.

Design Benefits:

- Compact and secure knot structure
- Consistent mesh formation
- Lightweight construction

Key features

- HDPE & PP hybrid technology
- Improved fuel efficiency
- High abrasion resistance
- Excellent UV resistance
- Superior strength-to-weight ratio
- Extended trawl life
- Advanced braided construction
- Consistent mesh stability
- Lightweight and easy handling