

380 DENIER AQUAMARINE TWISTED NETTING

TWISTED KNOTTED WITH HDPE MATERIAL

380 Denier Aquamarine Twisted Netting is a premium fishing netting solution developed for commercial trawling applications requiring enhanced durability and extended operational life. Manufactured from specially engineered Aquamarine-grade 380 denier yarns, it offers superior strength compared to conventional 380 denier netting. The optimized yarn technology and twisted construction make it particularly suitable for shrimp fishing and small vessel trawling operations where reliability and longevity are essential.

Material Excellence
The netting is manufactured using specially formulated Aquamarine-grade synthetic yarns engineered to deliver higher strength and durability than standard 380 denier materials. The premium yarn construction provides improved resistance to abrasion, fatigue, and mechanical wear. Advanced manufacturing technology ensures consistent yarn quality and uniform performance throughout the netting. The material is designed to withstand prolonged exposure to marine environments, including seawater, sunlight, and repeated operational stresses. Enhanced polymer characteristics contribute to superior strength retention and long-term reliability.

- Key Material Advantage**
- 100% HDPE composition
 - Improved Tensile Strength
 - Free from mixed-material contamination

Superior Structural Design
The precision twisted construction is designed to maximize yarn performance and load distribution. Uniform twisting enhances knot stability and structural integrity throughout the netting. The optimized structure minimizes stress concentrations



Stronger Yarn Construction



High Strength



Recyclable Material



Consistent Mesh Formation

Construction	Runnage (m/kg)	Breaking Strength (kgf)	Knot Breaking Strength (kgf)
380DEN/6 PLY	2400	18.8	26
380DEN/12 PLY	1775	25	34
380DEN/15 PLY	1375	33	42
380DEN/18 PLY	1125	38	51
380DEN/21 PLY	966	41	60
380DEN/24 PLY	845	44	64
380DEN/27 PLY	760	49.5	74
380DEN/30 PLY	675	55	84
380DEN/36 PLY	564	65	93
380DEN/42 PLY	482	75	110
380DEN/45 PLY	457	81	120
380DEN/48 PLY	432	87	130
380DEN/54 PLY	384	100	145
380DEN/60 PLY	337	112	160
380DEN/90 PLY	225	177	240
380DEN/120 PLY	165	210	325
380DEN/150 PLY	132	250	380

and improves resistance to mechanical fatigue. Enhanced mesh stability helps maintain effective fishing geometry during operation. The design promotes consistent performance under varying fishing conditions while ensuring excellent durability and handling characteristics.

- Design Benefits**
- Stronger yarn construction
 - Lightweight yet strong construction
 - Lower operating expenses and downtime
- Key Features**
- Premium Aquamarine-grade yarns
 - Extended trawl life
 - Improved knot stability
 - Commercial fishing optimized
 - Cost-effective durability

Application

- Bottom Trawling