



Tiger Mooring Ropes

8 Strand Square Plait PP/PE Crushed Mono Rope

Tiger mooring rope is a blend of compatible Polypropylene and Polyethylene fibres, specially processed to combine the key features of this commercial marine product.



FEATURES/ BENEFITS

- Abrasion resistance
- High strength to weight ratio
- Shock load resistant
- UV resistant with excellent weathering properties
- Not affected by water
- Floats on water
- Kink resistance
- Distinctive colours
- 1.8m HD covered eye splice each end
- Certified to standards and supplied with either ABS, APAVE, DNV or MEG4 Certification
- Break force conforms to ISO2307:2019
- Testing conforms to ISO15072:2009 and ISO1346:2021

APPLICATIONS

- Marine, fishing, rural, heavy industrial, oil exploration
- Slings
- Mooring
- Towing
- Docking
- Anchoring
- Fibre rope tails

FIBRE CHARACTERISTICS

| Fibre type | Description | Specific gravity | Sensitive to | Resistant to | Heat reaction | Strength and elongation |
|------------------------------|---------------------|------------------|--|---|---|---|
| PP (Polypropylene) | Continuous Filament | 0.91 | Sodium hypochlorite and some hot organic solvents. Very susceptible to sunlight but with suitable additives, loss of strength is retarded. | Hot and cold acids like alkalis | Shrinks rapidly from flame. Curls and melts at about 165°C. | High tenacity. Good recovery from stretch and elongation at break for film ropes is 25-30%. |
| PE (Polyethylene) | Continuous Filament | 0.95 | Xylene at 95°C, hot nitric or Sulfuric Acids. Some hot organic solvents. Sensitive to prolonged sunlight exposure. | Most acids, alkalis, grease, oils and organic solvents. | Softens 100°C, Melts 110-120°C. | High tenacity with good recovery after stretch and extension at break of 50%. |



RANGE/TECHNICAL

| Product Code | Plt Qty | Description | Coil wt/kg | Unspliced Breaking Force KN | Unspliced Breaking Force kg | Spliced LDBF ton (metric) OCIMF MEG 4 UOM | UOM |
|-----------------|---------|--|------------|-----------------------------|-----------------------------|---|------|
| 8 Strand | | PP/PE ROPE 8 STRAND WITH 1.8M EYE SPLICE EACH END | | | | | |
| RROS24TSQ | 4 | Tiger Rope 8 Std 24mm x 220m Yellow/Black | 57 | 100 | 10200 | 9.10 | Coil |
| RROS32TSQ | 4 | Tiger Rope 8 Std 32mm x 220m Yellow/Black | 101 | 170 | 17425 | 15.60 | Coil |
| RROS40TSQ | 2 | Tiger Rope 8 Std 40mm x 220m Yellow/Black | 158 | 274 | 28000 | 25.20 | Coil |
| RROS48TSQ | 1 | Tiger Rope 8 Std 48mm x 220m Yellow/Black | 229 | 387 | 39500 | 35.50 | Coil |
| RROS56TSQ | 1 | Tiger Rope 8 Std 56mm x 220m Yellow/Black | 312 | 509 | 52000 | 46.80 | Coil |
| RROS64TSQ | 1 | Tiger Rope 8 Std 64mm x 220m Yellow/Black | 407 | 662 | 67550 | 60.70 | Coil |
| RROS72TSQ | 1 | Tiger Rope 8 Std 72mm x 220m Yellow/Black | 515 | 828 | 84500 | 76.00 | Coil |
| RROS80TSQ | 1 | Tiger Rope 8 Std 80mm x 220m Yellow/Black | 638 | 1019 | 104000 | 93.60 | Coil |

***12 strand Tiger rope made to order upon request and subject to a lead time**

* NOTE breaking force is for unspliced rope, spliced rope is less 10% as per ISO 10572

** NOTE The MBL should never be considered as the safe working load of Rope. For calculating safe working load please refer factor of safety = Breaking force/6 & 9. Specifications subject to ± 5% variation.

Breaking Force Graph

(compared to Standard PP 8 Plait Square Rope)

