

Aquaflex Mooring Rope

8 & 12 Strand PP/Polyester Mooring Ropes

Aquaflex is a blend of 45% Polypropylene and 55% Polyester fibres, specially processed to combine the key features of this commercial marine product.



FEATURES/ BENEFITS

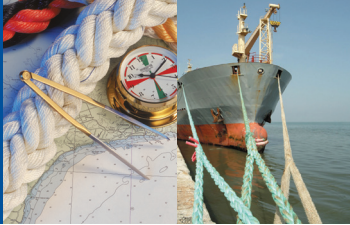
- High performance economical mooring line
- Equivalent wet/dry strength
- High strength to weight ratio
- Excellent abrasion against internal & external friction
- Excellent resistance to frictional heat damage
- TOLL value of 73%. TOLL Is the actual BF of wet rope after 1000 cyclical loadings. This is expressed as a percentage of original wet break strength.
- Excellent shock load absorption, yielding low snapback at break
- Specific gravity 1.1 i.e. neutrally buoyant
- Remains flexible and easy to splice in use
- Certified to standards and supplied with either ABS, APAVE, DNV or MEG4 Certification

APPLICATIONS

- Towing stretchers
- Single point moorings
- Mooring lines
- Mooring jaws
- Slings
- 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%. |
| Polyester | Continuous Filament | 1.38 | Alkalis, Phenolic Compounds, Sulfuric Acid. | Most Organic and Mineral Acids, Solvents, Bleaches and Oxidizing Agents. | Softens 228°C, Melts 255°C. | Equivalent wet/ dry strength ratio. Elongation 35% at Break. |



RANGE/TECHNICAL

| Product Code | Plt | Description | Coil wt/kg | Breaking Force KN | Breaking Force kg | UOM |
|------------------|-----|---|------------|-------------------|-------------------|------|
| 8 Strand | | AQUAFLEX (45 PP/55 PEST) ROPE WITH 1.8M EYE SPLICED EACH END | | | | |
| RROS40ASQ* | 2 | Aquaflex Rope 8 Std 40mm x 220m White | 193 | 335 | 34200 | Coil |
| RROS48ASQ | 1 | Aquaflex Rope 8 Std 48mm x 220m White | 264 | 465 | 47400 | Coil |
| RROS56ASQ | 1 | Aquaflex Rope 8 Std 56mm x 220m White | 346 | 620 | 63200 | Coil |
| RROS64ASQ | 1 | Aquaflex Rope 8 Std 64mm x 220m White | 454 | 800 | 81600 | Coil |
| RROS72ASQ | 1 | Aquaflex Rope 8 Std 72mm x 220m White | 568 | 1000 | 102000 | Coil |
| RROS80ASQ | 1 | Aquaflex Rope 8 Std 80mm x 220m White | 702 | 1225 | 125000 | Coil |
| 12 Strand | | AQUAFLEX (45 PP/55 PEST) ROPE WITH 1.8M EYE SPLICED EACH END | | | | |
| RROS52A12* | 1 | Aquaflex Rope 12 Std 52mm x 220m White | 327 | 630 | 64300 | Coil |
| RROS56A12* | 1 | Aquaflex Rope 12 Std 56mm x 220m White | 371 | 717 | 72800 | Coil |
| RROS64A12* | 1 | Aquaflex Rope 12 Std 64mm x 220m White | 463 | 886 | 90400 | Coil |
| RROS72A12* | 1 | Aquaflex Rope 12 Std 72mm x 220m White | 586 | 1109 | 113100 | Coil |
| RROS80A12* | 1 | Aquaflex Rope 12 Std 80mm x 220m White | 765 | 1452 | 148100 | Coil |

* All Products are certified to standard with either ABS, DNV, APAVE or MEG4 certificate available on delivery.

** 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.

**** Products marked * are made to order upon request and subject to a lead time.

Percentage Elongation (Stretch) Of PP/Polyester Rope

