

Product group: **325**

Product number: **410960**

Product information

Our best selling mooring tail made from the Timm Master rope design, sold to over 6 000 vessels. Made of HT polyester and B5 polyolefin yarns which effectively absorb shock/energy in mooring systems. Typically used with steel wire and HMPE ropes. Compared to nylon stretchers, this product remains elastic for a longer period. It performs better in wet conditions, providing equal breaking strength under wet and dry conditions.

Features

- Protected eyes
- Buoyant
- High elongation

Benefits

- 15-20% lighter than PES and nylon tails
- Excellent abrasion and UV resistance
- Smooth and gripable surface
- Meets all OCIMF requirements

Specification

General

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Invent Hazard Material (IMO/IU) classification | NA                                    |
| Material type and grade                        | Mxed polyolefins (B5 yarn) and HT PES |

Physical properties

|                                    |                                  |
|------------------------------------|----------------------------------|
| Colour                             | White with 3 black marking yarns |
| Construction                       | 8-strand plaited                 |
| Density [kg/m3]                    | 0.99                             |
| Jacketed                           | false                            |
| Line Construction                  | 8-strand braided                 |
| Line Linear Density (LLD)          | 4.778 kg/m                       |
| Line Tenacity (LT) Maximum         | 38.41 t/kg/m                     |
| Line Tenacity (LT) Maximum (kNg/m) | 0.38 kNg/m                       |
| Line Tenacity (LT) Measured        | 37.58 t/kg/m                     |
| Load Bearing Linear Density (LBLD) | 4.778 kg/m                       |
| Melting point                      | 165°C                            |
| NSBF (if requested)                | Not requested                    |
| Rotating                           | false                            |
| Splice type and design             | Tuck (4S-4Z)x5                   |

Dimensions/Weight

|               |    |
|---------------|----|
| Diameter [mm] | 96 |
| Length [m]    | 18 |

Technical data

|                                       |                |
|---------------------------------------|----------------|
| Average Immediate Strain (e) %LDBF:10 | 1.33           |
| Average Immediate Strain (e) %LDBF:20 | 2.50           |
| Average Immediate Strain (e) %LDBF:30 | 3.50           |
| Average Immediate Strain (e) %LDBF:40 | 4.36           |
| Average Immediate Strain (e) %LDBF:50 | 5.24           |
| Dynamic stiffness (Kex) Exposed       | 20.65xTDBF     |
| Dynamic stiffness (Ksh) Sheltered     | 16.14xTDBF     |
| Line Design Break Force (LDBF)        | 180            |
| Spliced MBL DRY [t]                   | 180            |
| Spliced MBL/LDBF [kN]                 | 1761           |
| Tension-tension endurance CTF 20%     | 19934162223361 |
| Tension-tension endurance CTF 50%     | 205233732      |
| Unspliced MBL [kN]                    | 199            |
| Unspliced MBL [t]                     |                |

Performance data

|                     |      |
|---------------------|------|
| DNVGL               | Y    |
| SBA                 | N    |
| Strength adjustment | 10%  |
| Var Range From      | 125% |
| Var Range To        | 130% |

Approvals

Type Approved Product by DNV GL.  
This product is produced according to ISO 9554 and tested according to ISO 2307 . Mnumum Breaking Load (MBL) is according to ISO 10556 and verified by DNV GL.

Manufactured acc. to => ISO 9554, ISO 10556  
Tested acc. to => ISO 2307, CI 1500A, DNVGL-CP-0100  
Type Approval No => TAK0000094

Documents

[Timm Master Tail - Use and Care Manual](#)

[SDoC and MD for IHM](#)