

# TIMM FLEX 8 TAIL 114MM 22M WHITE 2X1,8M EYE

Product group: **325**

Product number: **411020**

Product image

## Product information

Our specially designed mooring tails (pendants) are made to withstand tough swells, strong winds and currents. Timm Flex Tails have very high elongation properties, making them ideal for mooring in the most challenging of sea terminals.

Mooring tails are used to protect the mooring lines and to allow ships to sway and move with the environment.

Our flex tails have a high abrasion and UV resistance - providing a durable mooring solution and acting as an absorber for sudden energy changes.

OCIMF recommends 22m polyamide tails as an exposed berth standard - for longer wave environments.

## Features

- Very high elongation
- 100% high tenacity PA fiber
- Suitable for challenging sea terminal conditions
- Protected eyes

## Benefits

- Smooth handling surface
- Excellent abrasion resistance
- Excellent UV resistance

## Specification

### General

Invent Hazard Material (IMO/EU) classification	NA
Material	Nylon
Material type and grade	PA 6 (Nylon)

### Physical properties

Colour	White
Construction	8-strand plaited
Density [kg/m <sup>3</sup> ]	Approx. 1.14
Elongation [%]	40% at break
Jacketed	false
Line Construction	8-strand braided
Line Linear Density (LLD)	8.153 kg/m
Line Tenacity (LT) Maximum	32.14 t/kg/m
Line Tenacity (LT) Maximum (kN/g/m)	0.32 kN/g/m
Line Tenacity (LT) Measured	27.853 t/kg/m
Load Bearing Linear Density (LBLD)	8.153 kg/m
Melting point	250°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	Tuck (4S-4Z)x5

### Dimensions/Weight

Diameter [mm]	114
Length [m]	22

### Technical data

Average Immediate Strain (e) %LDBF:10	4.9
Average Immediate Strain (e) %LDBF:20	8.1
Average Immediate Strain (e) %LDBF:30	10.7
Average Immediate Strain (e) %LDBF:40	13.2
Average Immediate Strain (e) %LDBF:50	15.5
Dynamic stiffness (Kex) Exposed	Under testing
Dynamic stiffness (Ksh) Sheltered	Under testing
Line Design Break Force (LDBF)	227.1
Spliced MBL DRY [kN]	2532
Spliced MBL DRY [t]	258.1
Spliced MBL/LDBF [kN]	2228
Tension-tension endurance CTF 20%	Under testing
Tension-tension endurance CTF 50%	Under testing
Unspliced MBL [t]	286.8

### Performance data

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

## Approvals

Product is made according to ISO 1140:2012. Tested breaking load is according to ISO 2307:2010 and is measured without eye splices.

Manufactured acc. to => ISO 1140, ISO 9554

Tested acc. to => ISO 2307, CI 1500A, DNVGL-CP-0100

## Documents

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

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