Wilhelmsen

Product group: **325** Product number: **L410180**

Product information

Specification

General

Invent Hazard Material (IMO/EU) classification	NA
Material	75% Polyolefin & 25% HT Polyester
Material type and grade	Mixed polyolefins (B5 yarn) and HT PES

Physical properties

Colour	Blue and white anti-twisting colors
Construction	12 strand braided
Density [kg/m3]	0.99
Elongation [%]	18% at break
Eyes	1,8mm mesh braid protected eyes
Jacketed	false
Line Construction	12x1 braided
Line Linear Density (LLD)	1.102kg/m
Line Tenacity (LT) Maximum	38.41 t/kg/m
Line Tenacity (LT) Maximum (kN/g/m)	0.38 kN/g/m
Line Tenacity (LT) Measured	38.12 t/kg/m
Load Bearing Linear Density (LBLD)	1.062 kg/m
Melting point	165°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	Tuck (6S-6Z)x4

Dimensions/Weight

Diameter [mm]	45
Length [m]	22

Technical data

Angled Break Force (ABF) % Avg NSBF D/d = 10	181.42 (90.71)
Angled Break Force (ABF) % Avg NSBF D/d = 5	173.00 (86.50)
Angled Endurance (AE) % Avg NSBF D/d = 10	78.21
Angled Endurance (AE) % Avg NSBF D/d = 5	75.13
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
Axial Compression Resistance (ACR)	94.53% Avg NSBF
Dynamic stiffness (Kex) Exposed	20.65xTDBF
Dynamic stiffness (Ksh) Sheltered	16.14xTDBF
LDBF [kN] (from)	316
LDBF [kN] (up to)	397
LDBF [t] (from)	32.2
LDBF [t] (up to)	40.5
Line Design Break Force (LDBF)	40.5
Temperature (T) % BF at 20°C -20C	135/101
Temperature (T) % BF at 20°C 0C	124/103
Temperature (T) % BF at 20°C 20C	100/100
Temperature (T) % BF at 20°C 40C	84/93
Temperature (T) % BF at 20°C 60C	72/89
Temperature (T) % BF at 20°C 80C	57/89
Tension-tension endurance CTF 20%	19934162223361
Tension-tension endurance CTF 50%	205233732
Unspliced MBL [t]	45.1

Performance data

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