

Lanyard Data Sheet

D12 78

Manufactured using Dyneema's SK78 fibre, D12 78 sets the standard for high performance lightweight ropes and cores. The workhorse of any racing yacht, uncovered D12 can be used for strops, lashing, and purchase systems, backstays and some halyards. With a cover, D12 is ideal for sheets halyards, runners, control lines etc.

APPLICATIONS

Sailing, Halyards, Strops, Tacklines, Lashings, Purchase Systems

MATERIAL

Manufactured from Dyneema SK78 HMPE (High-Modulus Polyethylene) Very light weight - 6x lighter than steel wire for a given strength High strength - 60% stronger than steel wire for a given diameter Low Stretch - see graph below

Good resistance to chemicals and UV Zero water shrinkage

Low creep HMPE fibre

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION: 12 STRAND BRAIDED CONSTRUCTION: Improved abrasion resistance

Optimised pitch to yarn twist - improves strength & longevity

Firmer rounder rope, aids handling Easy to splice Flexible product and easily handled

Torque balanced

HEAT SET AND PRE-STRETCHED:

Improves strength / diameter ratio Reduces initial elongation

COATING OPTIONS MARLOW ARMOURCOAT (STANDARD FINISH):

Specially formulated polyurethane coating Improves abrasion resistance and durability Increases friction, aids handling & splicing

Provides colour coding

MARLOW GRIPCOAT: Synthetic Polymer Anionic Coating

Prevents ingress of dirt and abrasive particles

Provides "self healing" properties Increases coefficient of friction

Significantly improves core/cover adhesion MARLOW COOLCOAT: Enhances bending performance

Reduces yarn on yarn abrasion and heat generation by a factor of 2

Applied at rope manufacture stage

PROPERTIES

RELATIVE DENSITY: 0.97 (floats)

CHEMICAL RESISTANCE: UV RESISTANCE: Excellent resistance to most chemicals (additional information available on request)

Very good MELTING POINT: 140°C

CRITICAL TEMPERATURE: 80°C (exposure to temperatures over this will result in permanent strength loss)





