

# Marlow

DATASHEET <sup>®</sup>

## EXCEL HPR



Excel HPR is designed for aggressive ratchet sheaves and to resist the toughest of conditions, Excel HPR is the dinghy sheet without compromise. Originally developed for Tokyo 2020 for the Nacra and 49er, it offers the ultimate solution for any highly loaded dinghy/catamaran sheets running through aggressive ratchet sheaves.

This is achieved via a blended Dyneema® and Technora cover, the two perfect materials for performance, smooth motion and longevity. Using a 12 strand Dyneema® core, Excel HPR sheet is straightforward to taper and splice as well.



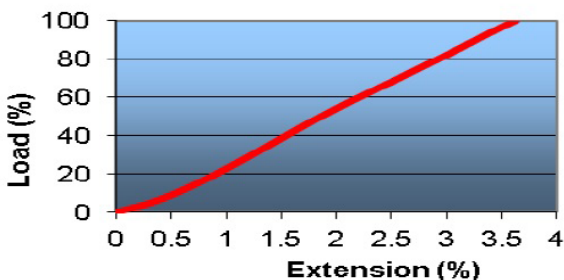
### AGGRESSIVE RATCHET DINGHY LINE

DIAMETER		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN
6.5	1/4	29.5	1.98	2470	5445	24.2	2270	500	22.3

#### Key Specifications:

<b>Material:</b>	Dyneema® and Technora cover
<b>Construction:</b>	12 strand and 16 plait
<b>Colour:</b>	White/ Natural
<b>Lengths:</b>	100m , 200m
<b>Relative Density:</b>	1.1 Exact figure varies with diameter
<b>Chemical Resistance:</b>	Excellent Resistance to most chemicals
<b>UV Resistance:</b>	Good
<b>Melting Point:</b>	140 °C
<b>Spliceability:</b>	Core can be spliced by D12 method

#### Load / Extension



#### ELONGATION

Typical working elongation (for a bedded in a rope):

- @ 10% of break load: 0.5%
- @ 20% of break load: 0.9%
- To break: 3.6%

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