

Marlow[®] DATASHEET

EXCEL MARSTRON +

Excel Marstron has been upgraded in 2012 to Excel Marstron +. The rope now has a blended polypropylene and Dyneema cover to extend the abrasion resistance of the line through cleats and ratchet blocks.



APPLICATIONS

Sheets, Floating Ropes

MATERIAL

CORE:

Manufactured from Polypropylene

Very light weight

Low water absorption

COVER:

Manufactured from Dyneema Polypropylene blend

Good abrasion

Very light weight

Very low water absorption

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

Improved abrasion resistance

8 STRAND BRAIDED

CORE CONSTRUCTION:

Firmer rounder rope, aids handling

Flexible product and easily handled

Torque balanced

16 PLAIT BRAIDED

COVER CONSTRUCTION:

Protects core from dirt and abrasion

Round and firm construction

Smooth profile while maintaining grip

PROPERTIES

RELATIVE DENSITY:

0.93 (Floats) Exact figure varies with diameter

CHEMICAL RESISTANCE:

Excellent resistance to most chemicals

(additional information available on request)

MELTING POINT:

140°C

CRITICAL TEMPERATURE:

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

TERMINATIONS

SPLICED EYE TERMINATION:

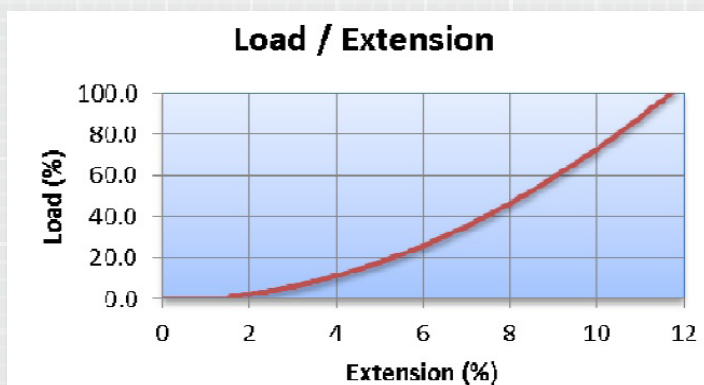
N/A

ELONGATION

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

@ 10% of break load: 3.7%

@ 20% of break load: 5.3%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch			g/m	lb/100 ft	kg	lb	kN	kg	lb	kN
6	7/32			18.1	1.21	650	1430	6.4	585	1287	5.7
7	1/4			21.2	1.42	1026	2257	10.1	975	2145	9.6
8	5/16			28.5	1.91	1092	2402	10.7	983	2163	9.6

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