

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)

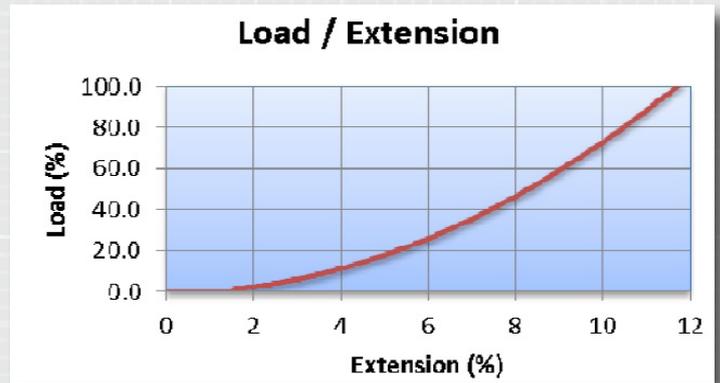
TERMINATIONS

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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