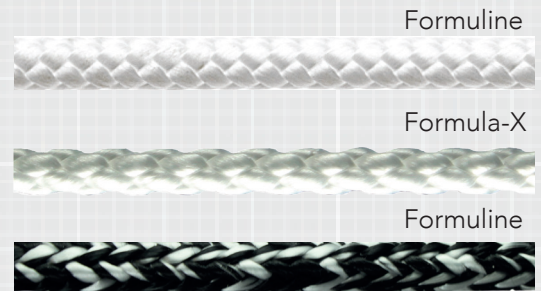


Marlow[®] DATASHEET

FORMULINE & FORMULA-X

Formuline is the ultimate rope for windsurfer downhauls and outhauls. High strength, light weight and incredibly durable. Formuline is world renowned by windsurfers.

Formula-X has been developed for a new breed of ratchet downhaul systems. The textured rope grips well in ratchet systems while maintaining the durability and strength of Formuline.



APPLICATIONS

Windsurfer Outhauls, Windsurfer Downhauls, Windsurfer Ratchet Downhauls

MATERIAL

CORE:

Manufactured from Dyneema SK78
HMPE (High-Modulus Polyethylene)
Very light weight - more than 8x lighter than steel wire for a given strength
High strength - 80% stronger than steel wire for a given weight
Low stretch - see table below
Good resistance to chemicals and UV
Zero water shrinkage
Very low creep HMPE fibre
Exhibits approximately 20% of the creep experienced by SK75.
Further information available.

CONSTRUCTION

FORMULINE:

12 Strand tightly braided construction
Firmer rounder rope, aids handling
Flexible product and easily handled
Torque balanced

FORMULA-X:

6 Plait tightly braided construction
Firmer rounder rope, aids handling
Flexible product and easily handled
Torque balanced
Designed for extra grip on ratchet downhaul systems

PROPERTIES

RELATIVE DENSITY:

0.97 (Floats)

CHEMICAL RESISTANCE:

Excellent resistance to most chemicals
(additional information available on request)

UV RESISTANCE:

Good

MELTING POINT:

140°C

CRITICAL TEMPERATURE:

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

TERMINATIONS

SPliced EYE TERMINATION:

N/A

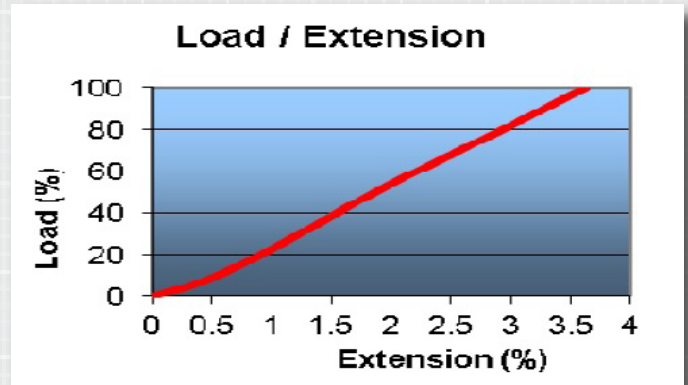
ELONGATION

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

@ 10% of break load: 0.51%

@ 20% of break load: 0.89%

To break: 3.60%



PERFORMANCE

DIAMETER	CIRCUMFERENCE	MASS		AVERAGE STRENGTH			MIN STRENGTH		
		g/m	lb/100 ft	kg	lb	kN	kg	lb	kN
3.8	5/32	8.9	0.60	619	1360	6.1	569	1250	5.6
4.5	11/64	12	0.80	700	1540	6.9	644	1420	6.3
4.8	3/16	16.9	1.13	700	1540	6.9	644	1420	6.3

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MA-DA-003 | ISSUE NO2



Certification Number 315

ISO 9001