

Marlow[®] DATASHEET

3 STRAND PRE-STRETCHED

The 3 Strand Pre-Stretched polyester rope has a multitude of uses. It is easy to handle when wet or dry and is highly resistant to UV light and weathering. These properties allow the rope to be used for general purpose across most industries.



APPLICATIONS

Halyards, Control Lines, General Purpose

MATERIAL

CORE:

Manufactured from continuous filament Polyester
Unaffected by water
Low creep
Zero shrinkage

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

3 STRAND HEAT SET CONSTRUCTION:

Improved abrasion resistance
Stabilised Yarn
Reduced Elongation
Improved handling

PROPERTIES

RELATIVE DENSITY:

CHEMICAL RESISTANCE:

UV RESISTANCE:

MELTING POINT:

CRITICAL TEMPERATURE:

1.38 exact figure varies with diameter
Excellent resistance to most chemicals
(additional information available on request)
Good
260°C
N/A

TERMINATIONS

SPLICED EYE TERMINATION:

3 Strand Short Splice
Minimum of 4 tucks

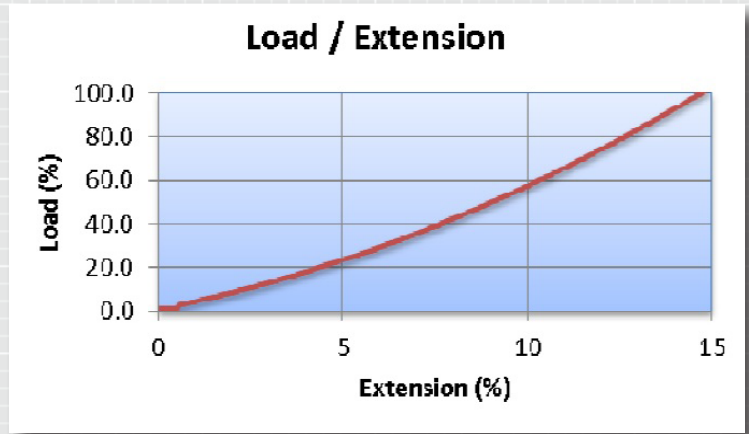
ELONGATION

Typical working elongation (for a bedded in rope):

@ 10% of break load: 2.2%

@ 20% of break load: 4.3%

To break: 14.7%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
3	1/8	9.8	0.66	319	702	3.1	290	638	2.8		
4	5/32	16.1	1.08	583	1283	5.7	530	1166	5.2		
5	3/16	20.7	1.39	1030	2275	10.1	630	1386	6.2		
6	7/32	30.6	2.05	1690	3727	16.6	940	2068	9.2		
8	5/16	48.1	3.23	2180	4792	21.4	1570	3454	15.4		
9	3/8	66.3	4.45	2380	5236	23.3	1980	4356	19.4		
10	13/32	82.3	5.52	2640	5808	25.9	2400	5280	23.5		
12	15/32	107.0	7.15	3340	7357	32.8	3040	6688	29.8		
14	9/16	148.0	9.92	4840	10655	47.5	4490	9878	44.0		

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MA-DA-004 | ISSUE NO.2



Certification Number 315

ISO 9001