

Towmaster Polyester

Towmaster Polyester is a high strength, compact line with superior durability. Of all the popular fibres polyester has the best weathering characteristics and the best wet abrasion resistance. Towmaster ropes are built with durability and high strength in focus and use a 7 braided core construction with very durable overbraid protection.

Polyester demonstrates superior capability compared to nylon in maintaining its elongation even over extended durations Polyester is perfect for towing and mooring applications in demanding environments.

Features

- longitudinal stripes make twists in the rope immediately visible
- High Abrasion resistance
- Moderate Elongation
- Excellent elastic retention
- Excellent UV Resistance
- Low Water Absorption
- Excellent towing and mooring line for high demand environments

Technical Information

Specific gravity	1.38*
Melting point	225°C
Critical temp.	150°C
Elongation at break	12.8%
Coefficient of friction	0.12*
Floats/Sinks	sinks
UV resistance	excellent
Wet abrasion	superior
Dry abrasion	superior

* value based on data supplied by the fibre manufacturer for new, dry fibre

Nominal Diameter		Size Circ.	Approximate Weight	Minimum Tensile Strength Spliced	Minimum Tensile Strength ISO Unspliced
Inch	MM	Inches	Kg/ 100m	Tonnes (Te)	Tonnes (Te)
2 5/8"	64	8"	315	125.4	139.3
2 3/4"	68	8 1/2"	352	137.6	152.9
3"	72	9"	395	152.9	169.9
3 1/8"	76	9 1/2"	441	183.5	203.9
3 1/4"	80	10"	489	188.5	209.5
3 3/8"	84	10 1/2"	548	207.9	231.0
3 5/8"	88	11"	590	226.3	251.4
4"	96	12"	702	270.1	300.1
4 1/4"	104	13"	825	315.9	351.1
4 5/8"	112	14"	956	364.9	405.5
5"	120	15"	1100	417.9	464.4
5 1/4"	128	16"	1250	472.9	525.5
5 1/2"	136	17"	1410	534.2	593.5
5 11/16"	144	18"	1580	596.3	662.6
6"	152	19"	1760	662.6	736.2
6 1/4"	160	20"	1951	731.8	813.2
6 5/8"	168	21"	2151	805.3	894.8

Towmaster Elongation (%)

