



Texteel 12 Strand HMPE

Texteel is manufactured from High Modulus Polyethylene (HMPE) and is designed to meet the need for high load applications where exceptionally low weight and flexibility are required in a cost driven environment.

Texteel has a specially formulated coating system to maintain flexibility for ease of handling and inspections, whilst not compromising on strength or durability. Texteel is resistant to kinking, maintains strength around tight bend radius and has low recoil making it safer than traditional steel rigging products

Texteel has the added benefit of being a Meg4 compliant product and can be produced with class certification upon request

Features

- Highest strength to weight ratio of any fibre
- Low Creep
- High UV & Chemical Resistance
- Very low elongation
- Safer than wire
- Easy to splice
- Excellent durability
- Class and Meg4 certification available upon request

Technical Information

Specific gravity	.97*
Melting point	140°C
Critical temp.	70°C
Elongation at break	3.8%
Coefficient of friction	0.09-0.12*
Floats/Sinks	floats
UV resistance	good
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)
1/4"	6	3/4"	2.1	3.3	3.7
5/16"	8	15/16"	3.8	5.9	6.5
3/8"	10	1 1/8"	4.8	8.8	9.8
1/2"	12	1 1/2"	8.6	13.1	14.6
9/16"	14	1 3/4"	11.5	17.4	19.4
5/8"	16	2"	15.0	22.9	25.5
3/4"	18	2 1/4"	18.4	26.6	29.6
13/16"	20	2 1/2"	22.9	32.1	35.7
7/8"	22	2 3/4"	26.7	36.7	41.8
1"	24	3"	31.7	45.0	49.9
1 1/16"	26	3 1/4"	37.2	52.3	58.1
1 1/8"	28	3 1/2"	43.0	59.6	66.3
1 1/4"	30	3 3/4"	48.7	56.2	72.4
1 5/16"	32	4"	55.8	72.5	80.5
1 3/8"	34	4 3/8"	62.1	79.8	88.7
1 1/2"	36	4 1/2"	68.7	87.2	96.8
1 9/16"	38	4 3/4"	76.4	96.4	107.0

*Other diameters available on request

Texteel Elongation (%)

