

HMPE

High Modulus Polyethylene rope is one of the strongest, most durable and innovative ropes on the market today. The HMPE ropes are impregnated with durable coating to reduce abrasion and extend the service life. The extraordinary features and extreme strength of HMPE ropes is a reason for using them as frequent substitute to steel wire ropes. The HMPE ropes go through a special heat and UV resistance treatment. They have an extremely low friction coefficient and highly reduce operation costs. Additionally, they offer much safer handling solution compared to a standard steel wire ropes.

PARAMETERS



Fiber	HMPE superior	Alkali resistance	excellent	Elongation	low (< 4% at break)
Specific gravity	0.97 (floating)	Chemicals resistance	excellent	Creep at 22 °C	low (0.002% per day)
UV resistance	excellent	Cold and frost resistance	excellent	Antistatic coating	on request
Abrasion resistance	excellent	Water resistance	excellent	Colors	yellow, black, silver
Acid resistance	excellent	Heat resistance	low (135–145 °C melting)		

8 STRAND

Diameter
40 - 72 mm



Diameter mm	Circ. inch	Weight kg/100 m	BL t	BL kN
40	5	88.10	128.5	1260.0
42	5 1/4	97.20	142.0	1392.5
44	5 1/2	106.20	155.6	1525.0
46	5 3/4	116.00	168.3	1650.0
48	6	125.50	181.1	1775.0
52	6 1/2	146.40	208.6	2045.0
56	7	168.80	237.7	2330.0
60	7 1/2	192.80	268.8	2635.0
64	8	218.30	300.9	2950.0
68	8 1/2	245.30	335.1	3285.0
72	9	273.80	370.8	3635.0

Spliced Termination: -10% / BL is in accordance with ISO 2307

Antistatic coating

It is possible to get HMPE ropes with advanced antistatic surface coating for HMPE ropes **on request**. This special coating is water resistant and its application significantly reduces static electricity which is generated on the surface of HMPE ropes.

12 STRAND

Diameter
2 - 40 mm



Diameter mm	Circ. inch	Weight kg/100 m	BL t	BL kN
2	1/12	0.25	0.3	3.4
3	1/8	0.49	0.9	8.8
4	1/2	0.77	1.0	10.0
5	5/8	1.43	2.3	22.5
6	3/4	2.30	4.1	40.0
8	1	4.00	7.0	69.0
10	1 1/4	6.10	10.7	105.0
12	1 1/2	8.70	15.3	150.0
14	1 3/4	11.70	20.4	200.0
16	2	15.10	26.5	260.0
18	2 1/4	19.00	32.1	315.0
20	2 1/2	23.30	38.8	380.0
22	2 3/4	28.00	45.9	450.0
24	3	33.10	53.0	520.0
26	3 1/4	38.40	61.2	600.0
28	3 1/2	44.50	69.4	680.0
30	3 3/4	50.80	79.1	775.0
32	4	57.50	88.7	870.0
34	4 1/4	64.60	98.4	965.0
36	4 1/2	72.00	106.1	1040.0
38	4 3/4	80.00	119.9	1175.0
40	5	88.10	128.5	1260.0

Spliced Termination: -10% / BL is in accordance with ISO 2307

APPLICATION

MARINE / Mooring / Tow / Winch / Tug

OFFSHORE / Heavy lifting

