



HMPE ROPES

High Modulus PolyEthylene rope is one of the strongest, most durable and innovative ropes on the market today. The rope is made from high-modulus polyethylene. The HMPE ropes are impregnated with a durable coating to reduce abrasion and extend the service life. The strength of HMPE rope is comparable diameter/diameter to steel wire rope.

The HMPE rope has special gone through heat treatment process and UV resistance treatment, has an extremely low coefficient of friction, reduces operation costs and it is easier and safer to handle in comparison to wire ropes.

8

TIMES STRONGER
THAN STEEL

8

TIMES LIGHTER
THAN STEEL

100

PERCENTAGE RETAINED
STRENGTH AFTER CHEMICAL
EXPOSURE



TECHNICAL DATA INSIDE:

- DATE OF MANUFACTURE [DAY/MONTH/YEAR]
- DIAMETER
- MBL
- PRODUCTION CODE
- CERTIFICATE





HMPE ROPES

APPLICATIONS

W MOORING LINES
W WINCHING LINES

W TOWING LINES

W LIFTING LINES

PARAMETERS

Constructions:	12-strand plaited
Fiber:	HMPE superior
Specific gravity:	0.97 (floating)
UV resistance:	excellent
Abrasion resistance:	excellent
Acid resistance:	excellent
Alkali resistance:	excellent

Most chemicals resistance:	excellent
Cold and frost resistance:	excellent
Water resistance:	excellent (0 % absorption)
Heat resistance:	low (135 – 145 °C melting)
Elongation:	low (< 4 % at break)
Creep at 22°C:	0.002 % per day
Colours:	yellow, black, silver

Diameter	Circ.	Weight	MBL	MBL
mm	inch	kg/100 m	t	kN
2	1/12	0.25	0.3	3.4
3	1/8	0.46	0.9	8.8
4	1/2	0.84	1.5	15.0
5	5/8	1.43	2.3	22.5
6	3/4	2.00	3.2	31.0
8	1	3.57	5.3	52.0
10	1 1/4	4.63	7.9	77.5
12	1 1/2	8.00	11.7	115.0
14	1 3/4	11.70	20.4	200.0
16	2	15.10	26.5	260.0
18	2 1/4	19.00	31.6	310.0
20	2 1/2	23.00	38.8	380.0
22	2 3/4	28.00	45.9	450.0
24	3	33.00	53.0	520.0
26	3 1/4	38.00	61.2	600.0
28	3 1/2	45.00	69.4	680.0
30	3 3/4	51.00	78.5	770.0
32	4	58.00	88.7	870.0
34	4 1/4	65.00	97.9	960.0
36	4 1/2	72.00	106.1	1040.0
38	4 3/4	80.00	118.3	1160.0
40	5	88.00	128.5	1260.0
44	5 1/2	106.00	148.9	1460.0
48	6	125.00	173.4	1700.0
52	6 1/2	146.00	200.9	1970.0
56	7	169.00	230.5	2260.0
60	7 1/2	193.00	258.1	2530.0
64	8	220.00	289.7	2840.0
68	8 1/2	248.00	323.3	3170.0
72	9	278.00	359.0	3520.0



*Ropes from diameter 52 mm are manufactured on request.

HMS Maritime Support - www.hms-deckequipment.com

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You can be sure