MAGNARO®- HMPE Plus

PRODUCT PROPERTIES

Material	HMPE
Construction	12-strand
Jacketed	Yes
Rotating	No
Color of Rope	White
Specific Gravity	0.97 – 1.09
Melting Point	147°C / 260°C
Abrasion Resistance	Excellent
U.V. Resistance	Excellent
Chemical Resistance	Excellent
Dry & Wet Conditions	Identical wet & dry strengths

FEATURES & BENEFITS

- Fibres are produced by gel-spinning ultra-high molecular weight polyethylene (UHMWPE)
- Higher strength compared to conventional steel wire rope
- Weight up to 7 times lower than wire rope
- Easier handling
- Increased safety (low snap back)
- Cover gives extra protection against abrasion, increasing the service life of the rope

APPLICATIONS

MOORING
- Main Line

TOWING
- Main Line
- Pennant

ELONGATION

Magnaro®- HMPE Plus	
Break Force	Elongation
10%	0.8%
30%	1.8%
50%	2.6%
100%	4.5%

Dia.	Circ.	Weight	MBL (Unspliced)		MBL/LDBF*(Spliced)	
mm	inch	kg/100m	Ton	kN	Ton	kN
22	2 3/4	27.7	38.9	381	35.0	343
24	3	33.0	46.2	454	41.6	409
26	3 1/4	40.1	54.2	533	48.8	479
28	3 1/2	50.0	63.0	618	56.7	556
30	3 3/4	57.3	68.3	670	61.5	603
32	4	64.0	74.0	726	66.6	653
34	4 1/4	72.2	83.4	819	75.1	737
36	4 1/2	78.9	93.0	912	83.7	821
38	4 3/4	87.9	104	1,016	93.2	915
40	5	94.8	114	1,122	103	1,010
42	5 1/4	105	126	1,237	113	1,114
44	5 1/2	111	136	1,329	122	1,196
46	5 3/4	121	148	1,453	133	1,308
48	6	137	166	1,623	149	1,461
50	6 1/4	149	181	1,773	163	1,596
52	6 1/2	160	196	1,918	176	1,726
54	6 3/4	173	213	2,087	191	1,878
56	7	183	230	2,255	207	2,030
58	7 1/4	196	247	2,419	222	2,178
60	7 1/2	205	263	2,582	237	2,324
62	7 3/4	219	281	2,757	253	2,482
64	8	236	308	3,018	277	2,716
66	8 1/4	251	327	3,210	294	2,889
68	8 1/2	266	347	3,407	313	3,067
70	8 3/4	282	368	3,611	331	3,250
72	9	295	380	3,726	342	3,354
74	9 1/4	312	398	3,902	358	3,512
76	9 1/2	329	420	4,116	378	3,704
78	9 3/4	346	442	4,335	398	3,902
80	10	359	458	4,489	412	4,040

*LDBF as per OCIMF MEG4 recommendations (spliced dry condition)

**Weights are with polyester cover, weights with other covers are available upon request.

TEHO Ropes Singapore
T +65 6744 8777
E ropes@teho.com.sg
W https://tehoropes.com.sg

TEHO Ropes Europe
T +31 (0)180 820 995
E sales@tehoropes.com
W www.tehoropes.nl

TEHO Ropes USA
T +1 281 485 5368
E sales@tehoropes.com
W www.tehoropes.com

TEHO Ropes China
T +86 186 1627 3590
E sales@tehoropes.com
W www.tehoropes.com.sg

TEHO Ropes Korea
T +82 51 831 6678
E mail@tehoropes.co.kr
W www.tehoropes.co.kr