



MAGNARO® - HTPP

PRODUCT PROPERTIES

Material	Mixed Polyolefin (PP / PE)
Construction	8- or 12-strand
Jacketed	No
Rotating	No
Color of Rope	White with 2 brown markers
Specific Gravity	0.92 Floating
Melting Point	165°C
Abrasion Resistance	Good
U.V. Resistance	Good
Chemical Resistance	Very Good
Dry & Wet Conditions	Identical wet & dry strengths

FEATURES & BENEFITS

- PP/PE melt mix
- Improved, high-strength alternative for Polypropylene
- Higher breaking load with a lower weight and better abrasion resistance compared to regular Polypropylene
- Floating - does not absorb water
- Our custom made high tenacity polyester Magnaro® Sleeve is pre-installed on both ends of the ropes, protecting the entire length of the eye against abrasion

APPLICATIONS

MOORING
• Main Line

ELONGATION

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Break Force	Elongation
10%	2.9%
30%	7.3%
50%	11.1%
100%	13.8%

Dia.	Circ.	Weight	MBL (Unspliced)		MBL/LDBF*(Spliced)	
			kg/100m	Ton	kN	Ton
32	4	42.8	18.4	180	16.6	162
34	4 1/4	48.3	20.8	204	18.7	183
36	4 1/2	54.1	23.5	230	21.2	207
38	4 3/4	60.3	26.2	257	23.6	231
40	5	66.8	28.5	280	25.7	252
42	5 1/4	73.7	31.4	308	28.3	277
44	5 1/2	80.5	34.0	334	30.6	301
46	5 3/4	87.9	37.2	364	33.4	328
48	6	96.4	40.0	392	36.0	353
50	6 1/4	104.6	43.4	426	39.1	383
52	6 1/2	110.9	45.5	446	41.0	401
54	6 3/4	119.6	49.1	481	44.2	433
56	7	126.8	52.0	510	46.8	459
58	7 1/4	136.0	55.8	547	50.2	492
60	7 1/2	146.4	60.0	589	54.0	530
62	7 3/4	156.3	64.1	628	57.7	565
64	8	165.9	68.0	667	61.2	600
66	8 1/4	176.4	72.3	709	65.1	638
68	8 1/2	185.0	76.0	746	68.4	671
70	8 3/4	196.0	80.5	790	72.5	711
72	9	207.3	85.0	834	76.5	751
74	9 1/4	218.9	89.8	881	80.8	792
76	9 1/2	230.9	95.0	932	85.5	839
78	9 3/4	243.3	100	981	90.1	883
80	10	256.4	105	1,030	94.5	927
82	10 1/4	269.3	110	1,082	99.3	974
84	10 1/2	282.6	116	1,135	104	1,022
86	10 3/4	296.3	121	1,190	109	1,071
88	11	312.3	128	1,256	115	1,130
90	11 1/4	326.6	134	1,313	120	1,182
92	11 1/2	341.3	140	1,372	126	1,235
94	11 3/4	356.3	146	1,432	131	1,289
96	12	365.5	150	1,472	135	1,325
104	13	426.4	175	1,716	158	1,545
112	14	495.0	203	1,990	183	1,791
120	15	568.2	233	2,285	210	2,056

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