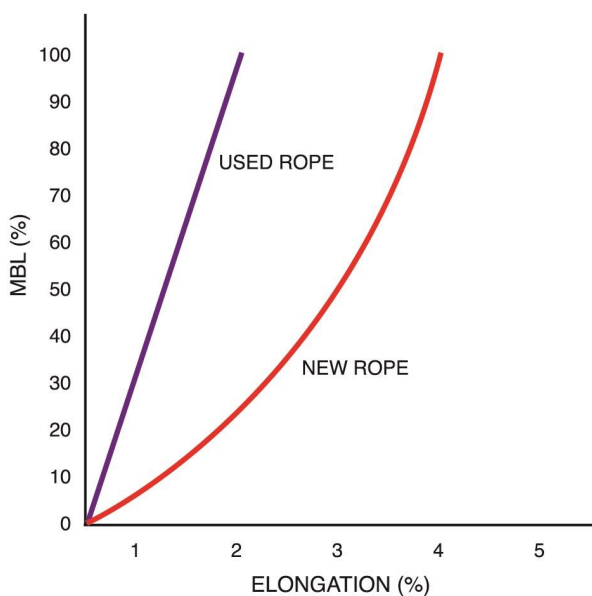


# MAGNARO<sup>®</sup>-HMPE

## PRODUCT DESCRIPTION

HMPE (High-modulus polyethylene) fibres are produced by gel-spinning ultra-high molecular weight polyethylene (UHMWPE). It has very low coefficient of friction and is extremely resistant to abrasion. The strength is higher than that of conventional steel wire rope and the corresponding weight is up to 7 times lower! Its better handling characteristics, buoyancy and increased safety (no lash back) are especially appreciated in towing and mooring applications.

## ELONGATION GRAPH



Spliced Strength: -10%  
 MBL is in accordance with ISO 2307  
 Complies with OCIMF (MEG 2007)

## PRODUCT PROPERTIES

Material	High Modulus PolyEthylene (HMPE)
Construction	12-strand
Color of Rope	Yellow
Specific Gravity	0.97
Melting Point	147°C
Abrasion Resistance	Excellent
U.V. Resistance	Excellent
Dry & Wet Conditions	Identical wet & dry strengths

## PRODUCT SPECIFICATIONS

Dia. mm	Circ. inch	Weight kg/100m	MBL	
			Ton	kN
16	2	16.0	27.5	270
18	2 ¼	20.8	35.0	343
20	2 ½	25.5	41.5	407
22	2 ¾	30.5	50.0	491
24	3	35.8	58.0	569
26	3 ¼	41.0	66.0	647
28	3 ½	46.5	74.0	726
30	3 ¾	52.0	81.5	800
32	4	57.0	88.5	868
36	4 ½	68.0	104	1,020
40	5	87.0	127	1,246
44	5 ½	104	152	1,491
48	6	121	179	1,756
52	6 ½	142	206	2,021
56	7	163	236	2,315
60	7 ½	195	252	2,472
64	8	220	282	2,766
68	8 ½	248	316	3,100
72	9	271	348	3,414
76	9 ½	300	387	3,796
80	10	345	422	4,140