

NYLON ISO 1140



Construction

Plaited ropes of the POLYAMIDELINE range are well established in marine and off-shore applications, because of their ease in handling and non-rotating behaviour. They are produced on a plaiting machine containing eight reels, each containing one strand, groups of two reels interweave as a pair around the other pairs of reels to produce an eight strands rope of a somewhat square cross section.

Material Properties

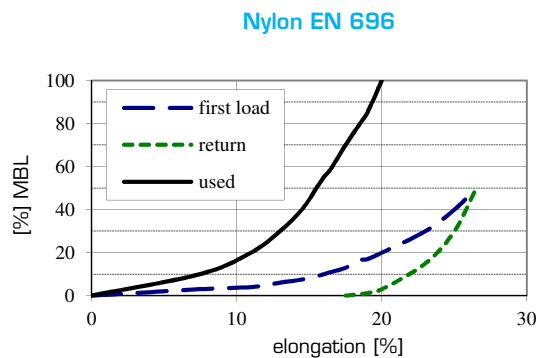
BexcoLon 114 is our improved, high-strength design for Nylon. Polyamide or Nylon was the first synthetic fibre discovered. It is available as a fibre as nylon 6 and nylon 6-6. In ropes both types are generally equally suitable. Since nylon was the first fibre discovered it is better established than polyester but the fatigue properties of polyester are better than those of nylon.

Under normal conditions of use nylon 6 is influenced water; it has a softening effect, to reduce this effect a marine finish is applied.

Features

➤	Materials	Standard nylon
➤	Construction	8 strand plaited
➤	Treatment	None
➤	Colour of Rope	White
➤	Approx. Spec. Density	1,14 non floating
➤	Melting point	215°C
➤	Abrasion Resistance	Good
➤	U.V. resistance	Good
➤	Temperature resistance	120°C max continuous
➤	Chemical resistance	Reasonable, acids, oxidisers & solvents will affect the material
➤	Dry & wet conditions	Wet strength about 10% lower than dry strength
➤	Range of use	Towing, ship mooring, ideal for shock loading
➤	Coil length	220m
➤	Spliced strength	± 10% lower
➤	Diameter	± 2%
➤	Weight and length tolerance	± 5%

dia	circ.	Min. Break Load		weight	
		tf	kN	kg/100m	per coil
32	4	20,0	196	63,0	139
36	4 1/2	24,9	244	80,0	176
40	5	30,0	294	99,0	218
44	5 1/2	35,8	351	120	264
48	6	42,0	412	142	312
52	6 1/2	48,8	479	166	365
56	7	56,0	549	193	425
60	7 1/2	63,8	626	221	486
64	8	72,0	706	252	554
68	8 1/2	80,1	786	284	626
72	9	89,9	882	319	702
76	9 1/2	100	982	355	781
80	10	110	1078	394	867
88	11	131	1284	477	1049
96	12	154	1510	568	1250
104	13	182	1785	666	1465
112	14	210	2060	772	1698
120	15	240	2354	887	1951
128	16	272	2667	1010	2222
136	17	306	3001	1140	2508
144	18	342	3354	1280	2816
152	19	381	3735	1426	3136
160	20	422	4140	1580	3476



MBL = **M**inimum **B**reaking **L**oad conform ISO 2307

Other sizes available upon request

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