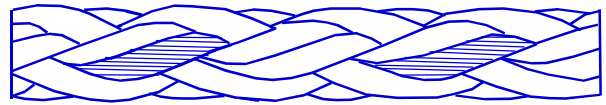


POLYESTER ISO 1141



Construction

Plaited ropes of the POLYESTERLINE 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.

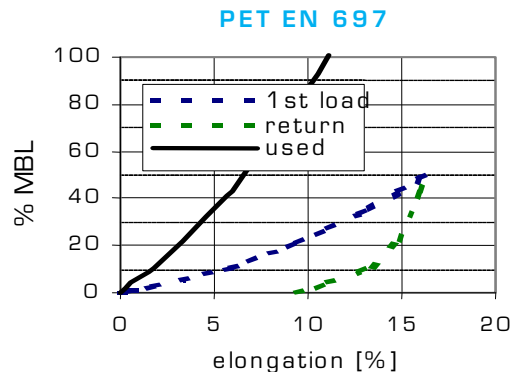
Material Properties

Polyester is a particularly reliable fibre with mechanical properties quite close to those of nylon. The abrasion resistance of polyester is better than that of nylon and so is the tension-tension fatigue performance. Since the cost of both fibres are quite similar to polyester should generally be preferred. In favour of nylon is its lower density (1,14 vs 1,38) and higher energy absorption.

Features

➤ Materials	Standard polyester
➤ Construction	8 strand plaited
➤ Treatment	None
➤ Colour of Rope	White (Other on request)
➤ Approx. Spec. Density	1,38 non floating
➤ Melting point	260°C
➤ Abrasion Resistance	Good
➤ U.V. resistance	Good
➤ Temperature resistance	120°C max continuous
➤ Chemical resistance	Good, bases and solvents may have a mild effect
➤ Dry & wet conditions	Wet strength equals dry strength
➤ Range of use	Fishing, inland shipping, merchant, navy, industry, mooring
➤ Coil length	220m
➤ Spliced strength	± 10% lower
➤ Weight and length tolerance	± 5%
➤ Diameter	± 2%

Dia	Circ.	Min Break Load		Weight	
		tf	kN	kg/100m	kg/coil
32	4	15,7	154	77,8	171
36	4 1/2	19,4	190	98,2	216
40	5	24,0	235	121	266
44	5 1/2	28,4	279	147	323
48	6	33,5	329	175	385
52	6 1/2	39,1	384	205	451
56	7	44,8	439	238	524
60	7 1/2	49,8	489	273	601
64	8	57,9	568	311	684
68	8 1/2	65,3	640	350	771
72	9	72,1	707	393	865
76	9 1/2	80,3	788	438	963
80	10	88,4	867	485	1067
88	11	106	1040	587	1291
96	12	125	1230	699	1538
104	13	145	1420	820	1804
112	14	165	1620	950	2090
120	15	190	1860	1090	2398
128	16	215	2110	1240	2728
136	17	245	2400	1400	3080
144	18	270	2650	1570	3454
152	19	301	2952	1749	3848
160	20	333	3270	1940	4268



MBL = **M**inimum **B**reaking Load conform ISO 2307

Other sizes available upon request

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