

Polydacron and polydacron 2nd

Polydacron

Polydacron mooring ropes have a double construction:

The outer strand yarns are composed of copolymer yarn alternating with high tenacity polyester multifilament yarn. The inside strand yarns are made of 100% copolymer. This production process - polyester on the outside of the strand - ensures an excellent external abrasion resistance. The relative density of the rope is less than 1 - so the rope floats in water. The fibres do not absorb water and remain flexible when wet.

Rope has the same breaking strength dry and wet.

Polydacron 2nd

Continuous research efforts were leading to a new range of optimised light-weight copolymer and polyester fibre blended ropes.

- High breaking strength
- Lightweight and easy to handle
- Easy to splice
- Torque free
- Fully buoyant
- Outstanding abrasion resistance
- Conforms to OCIMF/Intertanko guidelines



Polydacron 8 strand



Polydacron 12 strand

Construction

Available in 8-strand multi-plait



12-strand plaited on request



Other sizes and constructions on request

Standard colour

White

Properties

<i>Relative density</i>	0,99 (floats)
<i>Temperature resistance</i>	Suitable for use down to -30°C and up to 100°C Melting point 170°C (Polyester 260°C)
<i>UV resistance</i>	Excellent
<i>Extension</i>	Breaking stretch of about 21% when new - Recovery after load is good and stretch is even
<i>Flexibility</i>	Superior handling characteristics, fibres do not absorb water and remain flexible when wet
<i>Chemical resistance</i>	Excellent except in the presence of alkalis
Length measured under reference tension according to EN ISO 9554	

Typical applications

Ship's mooring - ocean and harbour towage - Tension winch mooring - Fish farm mooring

Polydacron 8-strand

Diam. Ø	Circ.	Mass	Min. breaking load	
mm	inch "	kg/100m	T	kN
32	4	43,3	16,5	162
36	4 ½	52,9	20,8	204
40	5	72,2	30,2	296
44	5 ½	91,5	36,5	358
48	6	106	43	422
52	6 ½	126	50,5	495
56	7	145	58	569
60	7 ½	164	66	647
64	8	188	75	735
68	8 ½	213	84,5	829
72	9	237	94,5	927
76	9 ½	261	103	1010
80	10	295	116	1138
88	11	352	139	1363
96	12	417	165	1618
104	13	492	193	1893
112	14	573	224	2197
120	15	658	256	2510
128	16	747	291	2854
136	17	848	328	3217
144	18	946	367	3599
152	19	1057	408	4001
160	20	1171	451	4423

Polydacron 2nd 8-strand

Diam. Ø	Circ.	Mass	Min. breaking load	
mm	inch "	kg/100m	T	kN
32	4	49	19,5	191
36	4 ½	69	29,5	289
40	5	86	36,7	360
44	5 ½	101	42,8	420
48	6	123	50,3	493
52	6 ½	137	58,8	577
56	7	159	68,2	669
60	7 ½	183	78,5	770
64	8	208	89,4	877

68	8 ½	235	101	991
72	9	270	113	1112
76	9 ½	301	127	1241
80	10	340	139	1368
88	11	415	163	1599
96	12	489	193	1892

Load VS Extension

