

Polypropylene - multifilament and synthetic hemp

Multifilament

A stronger kind of polypropylene composed of thin, soft fibres which makes it look similar to nylon. The basic colour is natural white.

Available in twisted as well as braided rope.

Other colours on request.



Synthetic hemp (PP-TEX)

Extruded fibrillated film cut into discontinuous fine fibre and spun to form rope yarn similar in appearance and touch to natural hemp. Ideal as hand rope. Standard colour is natural beige. Available in 3- or 4-strand twisted rope.



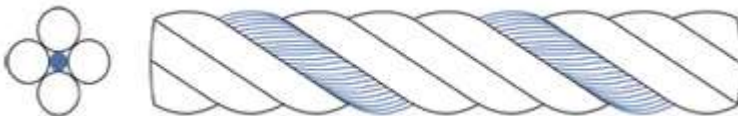
- Easy to splice
- High breaking strength
- Very soft
- Rot-proof
- Floating

Construction

3- or 4-strand twisted rope



8-strand braided rope on request



Coils or reels of 100-200-220m

Standard colour

Multifilament: Natural white

PP-TEX: Natural beige

Other colours available on request

Properties

<i>Relative density</i>	0,91 (floats)
<i>Temperature resistance</i>	Perfect for use between -30°C and +100°C Melting point 170°C
<i>UV resistance</i>	Fully stabilised
<i>Extension</i>	Circa 18% at break
<i>Flexibility</i>	No water absorption and remains flexible when wet Very soft and flexible
<i>Chemical resistance</i>	Resistant to alkalis, acids and oil

Length measured under reference tension according to EN ISO 9554

Typical applications

Swings - climbing nets - rope pulling - Mooring and gear for yachting - Decoration

Polypropylene multifilament

Diam. Ø	Mass	Min. breaking load	
mm	kg/100m	T	kN
6	1,7	0,67	6,62
8	3	1,22	11,9
10	4,5	1,87	18,4
12	6,5	2,7	26,5
14	9	3,69	36,2
16	11,5	4,77	46,8
18	14,8	6,03	59,2
20	18	7,47	73,3
22	22	9	88,3
24	26	10,8	106
26	30,5	12,4	122
28	35,5	14,2	140
30	40,5	16	157
32	46	18	177
34	52,5	20,1	197
36	58,5	22,3	219
38	65,5	24,6	241
40	72	27	265
44	88	32,2	316
48	104	37,8	371

Braided Polypropylene multifilament

Diam. Ø	Mass	Min. breaking load	
mm	kg/100m	T	kN
1	0,08	0,03	0,29
2	0,16	0,07	0,7
3	0,4	0,15	1,5
4	0,7	0,31	3
5	1	0,34	3,35
6	1,55	0,53	5,2
8	2,5	0,92	9
10	4	1,33	13
12	5,5	1,83	18
14	7,9	2,45	24
16	10,2	3,06	30
18	13,2	3,98	39
20	15,7	4,79	47
22	19	5,81	57
24	22,5	6,83	67

Synthetic Hemp (PP-Tex)

Diam. Ø	Mass	Min. breaking load	
mm	kg/100m	T	kN
4	0,8	0,20	1,94

6	1,7	0,50	4,86
8	3	0,86	8,48
10	4,5	1,28	12,6
12	6,5	1,83	18,0
14	9	2,41	23,7
16	11,5	3,15	30,9
18	14,8	4,01	39,3
20	18	4,83	47,4
22	22	5,85	57,4
24	26	6,84	67,1
26	30,5	7,96	78,1
28	35,5	9,09	89,2
30	40,5	10,3	102
32	46	11,5	113
34	52,5	12,9	127
36	58,5	14,5	142
38	65,5	16,0	157
40	72	17,4	171
44	88	21,1	207
48	104	24,5	240

Load VS Extension

