

PRODUCT INFORMATION

TEXTILE ROPE

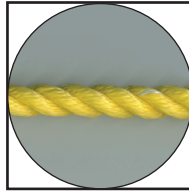
Synthetic standard type twisted ropes

Synthetic standard type twisted ropes

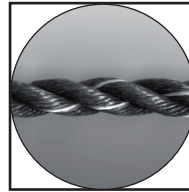
PP Multifil rope

3-strand twisted and high tenacity

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
10	0,045	17,5	1790
12	0,065	24,7	2520
14	0,089	32,9	3360
16	0,120	42,1	4290
18	0,150	52,5	5360
20	0,180	64,0	6530
22	0,220	76,4	7790
24	0,260	89,6	9140
28	0,350	119	12100
32	0,460	154	15700



Simple...
Polypropylene.
Light and easy to handle, floats,
balanced elasticity, meets normal
requirements.
But: limited wear resistance.



Material: Polypropylene multifil
Specific Gravity: 0,91
Melting Point: 165°C
Operating Temperature: 70°C (max./continuous use)

PP rope standard type

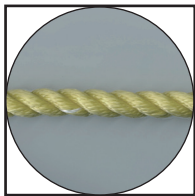
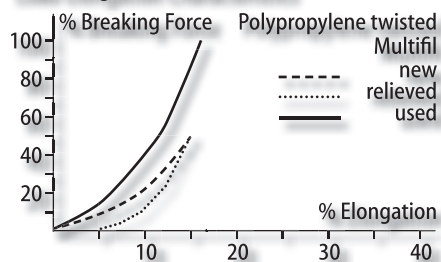
3-strand twisted

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
6	0,017	5,90	602
8	0,030	10,4	1060
10	0,045	15,3	1560
12	0,065	21,7	2210
14	0,090	29,9	3050
16	0,115	37,0	3770
18	0,148	47,0	4790
20	0,180	56,9	5800
22	0,220	68,2	6960
24	0,260	79,7	8130
26	0,305	92,2	9400
28	0,360	105	10700
30	0,413	120	12200
32	0,463	132	13500
36	0,595	166	16900
40	0,740	202	20600
44	0,890	240	24500
48	1,06	282	28700

Material: Polypropylene
Specific Gravity: 0,91
Melting Point: 165°C
Operating Temperature: 70°C (max./continuous use)

applies to: Splitfilm, Monofil, Multifil

Load-Elongation Characteristics



PP Staple fibre rope

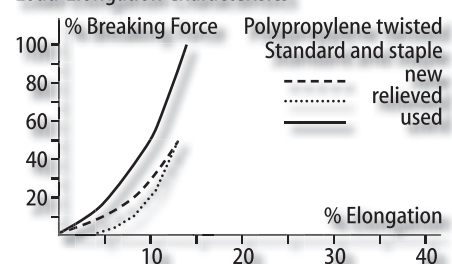
4-strand twisted

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
12	0,063	12,3	1250
14	0,081	15,6	1590
16	0,104	20,0	2040
18	0,130	24,8	2530
20	0,160	30,5	3110
22	0,190	36,5	3720
24	0,230	43,0	4390
26	0,270	49,5	5050
30	0,350	64,0	6530
40	0,630	115	11700

Material: Polypropylene staple fibre
Specific Gravity: 0,91
Melting Point: 165°C
Operating Temperature: 70°C (max./continuous use)

3-strand twisted ropes have 11% higher minimum breaking force.

Load-Elongation Characteristics

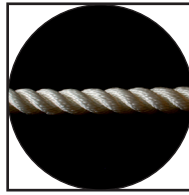


PA rope

3-strand twisted

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
6	0,023	7,35	750
8	0,040	13,2	1350
10	0,062	20,4	2080
12	0,089	29,4	3000
14	0,122	40,2	4100
16	0,158	52,0	5300
18	0,200	65,7	6700
20	0,245	81,4	8300
22	0,300	98,0	10000
24	0,355	118	12000
26	0,420	137	14000
28	0,485	155	15800
30	0,555	174	17800
32	0,630	196	20000
40	0,976	301	30700

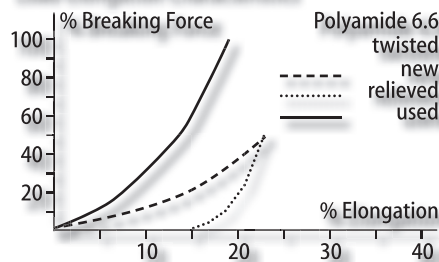
Material: Polyamide
 Specific Gravity: 1,14
 Melting Point: 250°C
 Operating Temperature: 80°C (max./continuous use)



Quality...

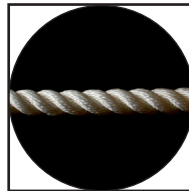
Polyester and Polyamide.
 Very durable, resistant to wear and tear, flexible, soft feel, balanced (PES) or very high (PA) elasticity.
 But: neither rope construction floats.

Load-Elongation Characteristics

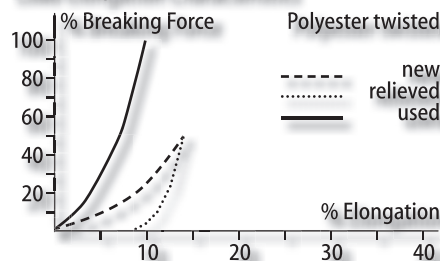


Rules and standards...

Even if not specifically indicated:
 Compliance with standards (ISO, EN, DIN)
 and rules; state of the art technical product
 properties.



Load-Elongation Characteristics



Polyester rope

3-strand twisted

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
6	0,027	5,54	565
8	0,048	10,0	1020
10	0,076	15,6	1590
12	0,110	22,3	2270
14	0,148	31,2	3180
16	0,195	39,8	4060
18	0,245	49,8	5080
20	0,303	62,3	6350
22	0,367	74,7	7620
24	0,437	89,6	9140
28	0,594	120	12200
32	0,778	154	15700

Material: Polyester
 Specific Gravity: 1,38
 Melting Point: 260°C
 Operating Temperature: 100°C (max./continuous use)

The rope weight is defined as the linear rope mass under pretension. Permissible limit deviation 6-8mm ±10%, 10-14mm ±8%, above these ±5%. The nominal rope size is the approximate rope diameter in mm. Minimum breaking forces determined according to current ISO standard. (Test result meets requirement if break occurs either at 100% of relevant value when linear (unspliced), or minimum 90% at splice).