

BOYUAN ROPE /2024



Qingdao Boyuan Rope Co., Ltd.

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BOYUAN ROPE



CONNECT THE WORLD, SAIL TO FUTURE

/2024 CONNECT THE WORLD
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PROFILE

 **BOYUAN ROPE**

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**BOYUAN
ROPE**

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Far World, Sail Away

Qingdao Boyuan Rope Co., Ltd. is a comprehensive high-tech enterprise integrating design, production and sale. We can provide international recognized products thanks to our efforts to introduce advanced technology and equipment and upgrade production process over the past 20 years since our inception.

As market globalization moves forward rapidly, we have improved a variety of product certification. With this effort, we can present Classification Society Certificate including BV、CCS、ABS、LR、NK、DNV, and provide various product testing as customer requirements, which ensures our product quality.

We are committed to producing each rope with high quality by employing advanced technology to safeguard each voyage of ships. We have earned a good reputation both at home and abroad for our quality service and high product quality.

BOYUAN ROPE

Business Scope

A vast territory, riding the wind



- More than **20** years of focus on the industry
- Over **120** units of rope manufacturing equipment
- More than **5** units of rope detection equipment
- Covering an area of more than **30000** square meters
- Annual production capacity of over **7000** tons
- Presence in more than **100** overseas countries and regions

Application



A large sailing ship, likely a tall ship, is shown from a high angle on the deck. The ship's mast and complex rigging of ropes and pulleys are prominent. Several people are visible on the deck, some near the mast. The ship is sailing on a calm blue sea under a cloudy sky. In the distance, a range of mountains is visible on the horizon.

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Vision/ Building an Evergreen Foundation and Drawing a Century Blueprint

Mission/ Creating greater value for the world

Spirit/ Unity, hard work, precision, tenacity, innovation and openness

○ **Values/**

People-oriented, honest and truthful, open and innovative, and responsible

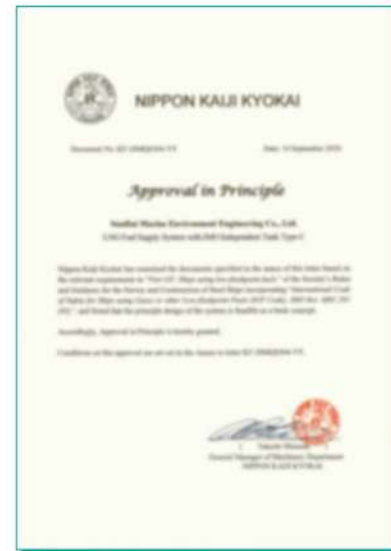
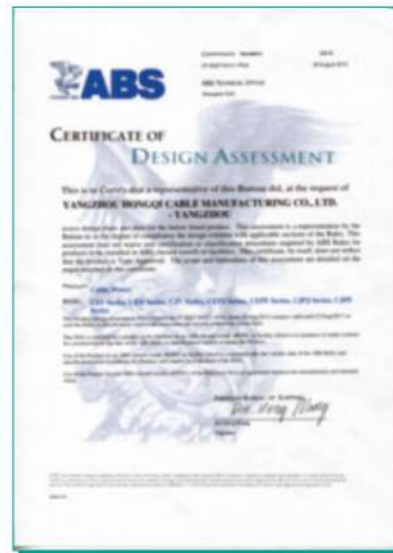
○ **Product concept/**

Meticulous design, meticulous management, precise construction, sincere service, and excellence

○ **Business philosophy/**

Building trust with sincerity, winning the market with quality, pursuing win-win results with harmony

CERTIFICATIONS



POSITIVE

BOYUAN ROPE

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SANTA RITA

Brand strength Specialized manufacturing process, huge brand strength

○ Different product varieties

We provide a wide variety of marine ropes, including UHMWPE ropes, polyamide ropes, polyester ropes, polypropylene ropes, mixed ropes and winch rope etc. They range from 2mm to 160mm in diameter, and are available with 3-strand, 6-strand, 8-strand, 12-strand, 24-strand (double braid), 32-strand (double braid), and 48-strand (double braid).



○ High quality raw materials

High-quality raw materials ensure that our ropes have good durability, high resistance against aging, high strength, good abrasion and UV resistance. Strong and safe, they can effectively cope with various complex environments.



○ Excellent technical strength

We have a specialized talent team and years of experience in manufacturing ropes. All this, along with advanced rope manufacturing technology and equipment we introduced, has laid a solid foundation for technological R&D and innovation.



○ Scientific quality management

We now adopt an improved quality management system, and put high requirement on production management and quality testing. In addition, we use a precise production and testing system to help reduce operation costs and mooring operation risks and increase safety.



○ Attentive customer service

True to the service concept of "seeking perfection and serving users with heart", we are now widely recognized both at home and abroad thanks to our improved product quality and technical services.



PRODUCT

BOYUAN ROPE

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UHMWPE rope
UHMWPE rope plus
High strength polypropylene (PP) rope
Polypropylene rope
Polypropylene & polyester mixed rope
Anti snap back mooring rope
PP multifilament rope
Polyester rope
Nylon rope
Nylon synthetic fiber rope
Mooring tails
Winch rope
Shackle



UHMWPE ROPE

● UHMWPE Rope

UHMWPE ropes are produced with ultra high molecular weight polyethylene (UHMWPE) fiber and advanced technology. Featuring high strength, low weight and low elongation, they have a long service life, and their operation is easy, fast and safe.

Stronger: with a same diameter, their strength is comparable to that of wire rope.

Lower elongation: their breaking elongation is close to that of wire rope.

Lighter: with a same strength, their weight(g/m) is only 1/8 of wire rope.

Application: port towing, mooring system for ultra large container ships, army&navy equipment, offshore, aerospace, sport equipment, electrical communications, large precision object sling, etc.

Material:UHMWPE

Structure:12 strand

Density: 0.97g/cm³

Melting point: 140°C

Elongation: 3.5%

Abrasion resistance: excellent

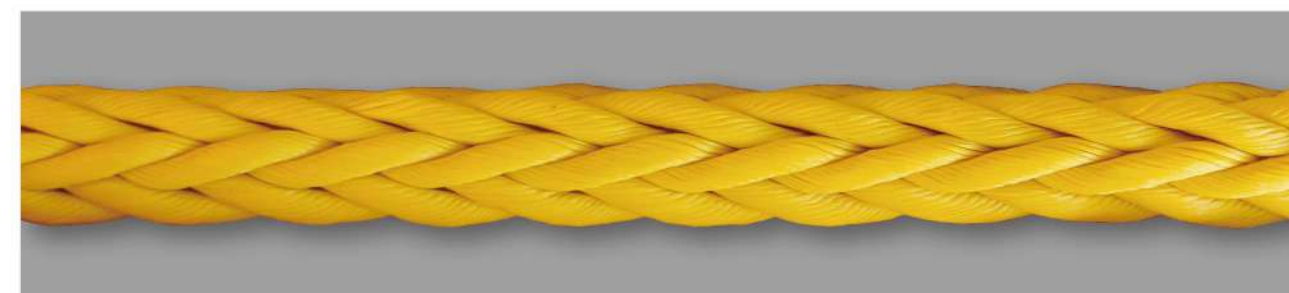
UV resistance: excellent

Chemical resistance: good

Dry and wet conditions: wet strength equals dry strength

Non-rotating and anti-kinking, longer service life

Easy to handle, inspect and repair



UHMWPE Rope 12 Strand

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cirinch	g/m	kgs/220m	kN	ton	kN	ton
6	3/4	18	4	35	3.5	31	3.2
8	1	34	8	64	6.6	58	5.9
10	1-1/4	55	12	101	10.3	91	9.3
12	1-1/2	83	18	150	15.3	135	13.8
14	1-3/4	110	24	197	20.1	177	18.1
16	2	130	29	230	23.5	207	21.1
18	2-1/4	184	40	322	32.9	290	29.6
20	2-1/2	227	50	384	39.2	346	35.3
24	3	324	71	533	54.4	480	49.0
28	3-1/2	444	98	704	71.9	634	64.7
32	4	589	130	918	93.7	826	84.3
36	4-1/2	720	158	1104	112.7	994	101.0
40	5	880	194	1329	135.6	1196	122.0
42	5-1/4	979	215	1459	148.9	1313	134.0
44	5-1/2	1078	237	1589	162.1	1430	146.0
46	5-3/4	1171	258	1698	173.2	1528	155.9
48	6	1264	278	1807	184.4	1626	166.0
50	6-1/4	1388	305	1971	201.1	1774	181.0
52	6-1/2	1512	333	2136	217.9	1922	217.9
54	6-3/4	1636	360	2300	234.7	2070	211.2
56	7	1760	387	2464	251.5	2218	226.0
58	7-1/4	1885	415	2622	267.6	2360	240.8
60	7-1/2	2010	442	2778	283.4	2500	255.1
62	7-3/4	2135	470	2936	299.5	2642	269.6
64	8	2260	497	3092	315.5	2783	284.0
66	8-1/4	2423	533	3293	336.1	2964	302.5
68	8-1/2	2585	569	3496	356.7	3146	321.0
70	8-3/4	2748	605	3697	377.2	3327	339.5
72	9	2910	640	3898	397.7	3508	358.0
74	9-1/4	3065	674	4080	416.3	3672	374.7
76	9-1/2	3220	708	4263	435.0	3837	391.5
78	9-3/4	3375	743	4444	453.5	4000	408.2
80	10	3530	777	4628	472.2	4165	425.0



UHMWPE ROPE PLUS

● **UHMWPE Rope Plus**

Material:UHMWPE core and Polyester jacket

Density: 1.0-1.1g/cm³

Melting point: 140°C/260°C

Elongation: 4-5%

Abrasion resistance: excellent

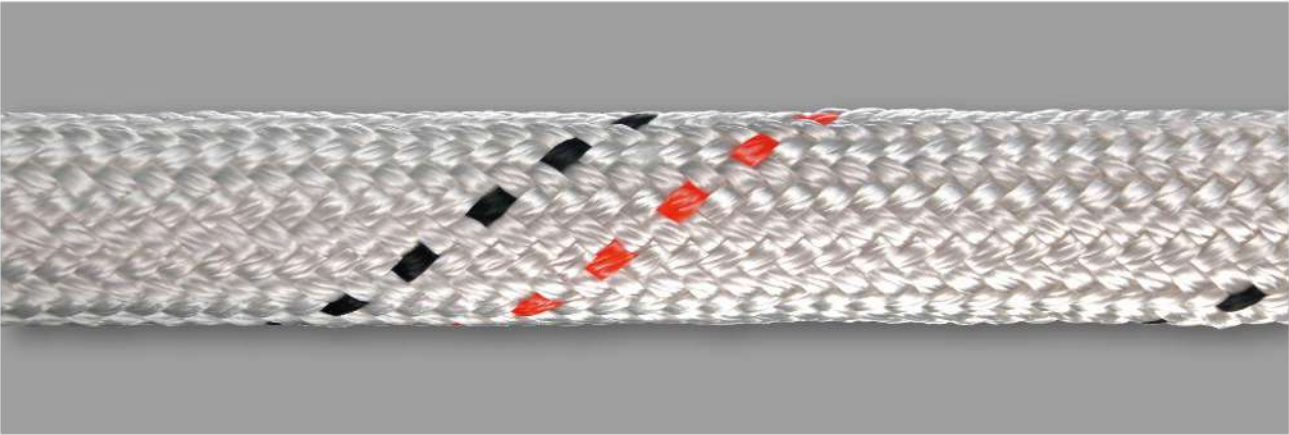
UV resistance: excellent

Chemical resistance: good

Dry and wet conditions: wet strength equals dry strength

Non-rotating and anti-kinking, longer service life

Easy to handle, inspect and repair



UHMWPE Rope Plus

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
40	5	940	206.8	1140	116.3	1030	105.1
44	5-1/2	1150	253.0	1380	140.8	1240	126.5
48	6	1360	299.2	1610	164.3	1450	148.0
52	6-1/2	1600	352.0	1920	195.9	1730	176.5
56	7	1850	407.0	2190	223.5	1970	201.0
60	7-1/2	2120	466.4	2520	257.1	2270	231.6
64	8	2400	528.0	2880	293.9	2590	264.3
68	8-1/2	2720	598.4	3260	332.7	2930	299.0
72	9	3070	675.4	3630	370.4	3270	333.7
76	9-1/2	3400	748.0	4020	410.2	3620	369.4
80	10	3750	825.0	4510	460.2	4060	414.3
84	10-1/2	4125	907.5	4930	503.1	4440	453.1
88	11	4500	990.0	5350	545.9	4820	491.8
92	11-1/2	4900	1078.0	5815	593.4	5235	534.2
96	12	5300	1166.0	6280	640.8	5650	576.5





HIGH STRENGTH POLYPROPYLENE (PP) ROPE

● High Strength Polypropylene (PP) Rope

Our polypropylene ropes are made of special high-quality polyolefin fiber and widely used for their high performance. They are cost-efficient and have good abrasion resistance, UV resistance, and longer service life.

Application:

ship mooring system, port towing, pelagic fishing, sea farming.

Material: polyolefin

Density: 0.91g/cm³

Melting point: 165°C

Elongation: 8-10%

Abrasion resistance: good

UV resistance: good

Chemical resistance: good

Lower stretch

Super strong than conventional Polypropylene



High Strength Polypropylene (PP) Rope 8/12 Strand

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
24	3	289	64	131	13.4	118	12
28	3-1/2	394	87	174	17.8	157	16
32	4	511	112	223	22.8	201	20
36	4-1/2	641	141	277	28.3	249	25
40	5	791	174	342	34.9	308	31
44	5-1/2	977	215	409	41.7	368	38
48	6	1146	252	479	48.9	431	44
50	6-1/4	1246	274	512	52.2	461	47
52	6-1/2	1341	295	554	56.5	499	51
56	7	1559	343	636	64.9	572	58
60	7-1/2	1791	394	729	74.4	656	67
64	8	2036	448	822	83.9	740	75
68	8-1/2	2300	506	935	95.4	842	86
70	8-3/4	2436	536	991	101.1	892	91
72	9	2582	568	1034	105.5	931	95
75	9-3/8	2796	615	1122	114.5	1010	103
80	10	3191	702	1273	129.9	1146	117
85	10-5/8	3605	793	1432	146.1	1289	132
88	11	3859	849	1538	156.9	1384	141
90	11-1/4	4036	888	1607	164.0	1446	148
95	11-3/4	4496	989	1765	180.1	1589	162
100	12-1/2	4982	1096	1957	199.7	1761	180
104	13	5359	1179	2117	216.0	1905	194
112	14	6232	1371	2455	250.5	2210	225



POLYPROPYLENE ROPE

● Polypropylene Rope

Polypropylene monofilament rope is the most conventional economical for the marine field. This light rope is stronger than a comparable manila rope, is non water absorbent, non slipping and provides good flexibility and high durability. And it has excellent resistance to most common chemicals. It is also resistant to rot, mildew and deterioration. It has UV resistance, good strength, and moderate stretch.

Application:

mooring, towing, marine fishing, marine aquaculture, cargo lashing, signal ropes, hoisting, rigging, general purpose use.

Material: polypropylene monofilament

Construction: 8/12 strand

Density: 0.91g/cm³

Melting point: 165°C

Elongation: 15-18%

Abrasion resistance: good

UV resistance: good

Chemical resistance: good



Polypropylene Rope 8/12 Strand

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
20	2-1/2	180	39.6	58	5.92	52	5.3
24	3	260	57.2	81	8.27	73	7.4
28	3-1/2	355	78.1	107	10.92	96	9.8
32	4	460	101.2	135	13.78	122	12.4
36	4-1/2	585	128.7	169	17.24	152	15.5
40	5	720	158.4	205	20.92	185	18.8
44	5-1/2	880	193.6	246	25.10	221	22.6
48	6	1040	228.8	286	29.18	257	26.3
52	6-1/2	1220	268.4	331	33.78	298	30.4
56	7	1420	312.4	378	38.57	340	34.7
60	7-1/2	1630	358.6	433	44.18	390	39.8
64	8	1850	407.0	490	50.00	441	45.0
72	9	2340	514.8	615	62.76	554	56.5
80	10	2900	638.0	756	77.14	680	69.4
88	11	3510	772.2	907	92.55	816	83.3
96	12	4170	917.4	1071	109.29	964	98.4
104	13	4900	1078.0	1228	125.30	1105	112.8
112	14	5700	1254.0	1418	144.69	1276	130.2
120	15	6500	1430.0	1628	166.12	1465	149.5
128	16	7400	1628.0	1838	187.55	1654	168.8
136	17	8400	1848.0	2069	211.12	1862	190.0
144	18	9400	2068.0	2309	235.61	2078	212.1
160	20	11521	2534.6	2829	288.67	2546	259.8



POLYPROPYLENE & POLYESTER MIXED ROPE

● Polypropylene & Polyester Mixed Rope

Our polypropylene & polyester mixed ropes are made of polyester fiber and polypropylene fiber with high strength. Known as "floating nylon", they enjoy good resistance against UV, anti-aging performance, resistance against seawater corrosion and anti-abrasion performance.

Application:

ship, ocean transportation, port towing, oil tankers, chemical tankers, large bulk carriers, offshore fishing and other fields.

Density: < 1.0 floating

Melting point: 165°C/260°C

Elongation: 12%-17%

Abrasion resistance: excellent

UV resistance: good

Chemical resistance: good



Polypropylene & Polyester Mixed Rope 8/12 Strand

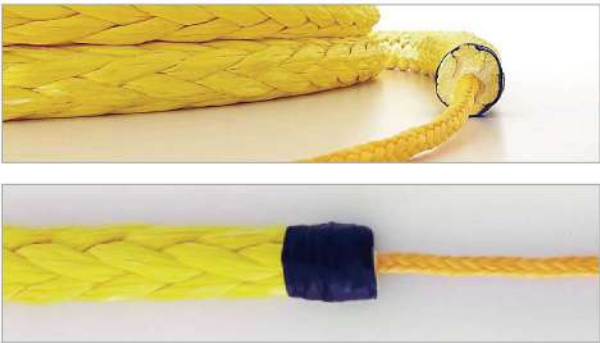
Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
24	3	335	74	123	12.5	110	11.3
28	3-1/2	460	101	163	16.6	147	15.0
32	4	595	131	209	21.3	188	19.2
36	4-1/2	742	163	273	27.8	245	25.0
40	5	915	201	330	33.6	297	30.3
44	5-1/2	1090	240	392	40.0	353	36.0
48	6	1320	290	453	46.2	408	41.6
50	6-1/4	1410	310	490	49.9	441	45.0
52	6-1/2	1500	330	526	53.6	473	48.3
56	7	1790	394	608	62.0	547	55.9
60	7-1/2	2005	441	692	70.5	622	63.5
64	8	2260	497	775	79.1	698	71.2
68	8-1/2	2540	559	868	88.6	781	79.7
70	8-3/4	2690	592	920	93.8	828	84.5
72	9	2840	625	971	99.1	874	89.2
75	9-3/8	3080	678	1048	106.9	944	96.3
80	10	3490	768	1177	120.1	1059	108.1
85	10-5/8	3933	865	1330	135.7	1197	122.2
88	11	4200	924	1422	145.1	1280	130.6
90	11-1/4	4400	968	1489	151.8	1340	136.7
95	11-7/8	4900	1078	1654	168.7	1489	151.9
96	12	5000	1100	1687	172.1	1519	155.0
100	12-1/2	5430	1195	1834	187.1	1651	168.5
104	13	5860	1289	1982	202.1	1783	182.0
112	14	6740	1483	2286	233.1	2057	209.9
120	15	7740	1703	2609	266.2	2348	239.6



● Anti Snap Back Mooring Rope

1.UHMWPE 12 Strand Rope

Material:UHMWPE
Structure:12 strand
Density: 0.97g/cm³
Melting point: 140°C
Elongation: 3.5%
Abrasion resistance: excellent
UV resistance: excellent
Chemical resistance: good
Dry and wet conditions: wet strength equals dry strength
Excellent shock absorption
Easy to handle, inspect and repair



UHMWPE 12 Strand Rope

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cirinch	g/m	kgs/220m	kN	ton	kN	ton
40	5	910	200	1329	135.6	1196	122.0
42	5-1/4	1009	222	1459	148.9	1313	134.0
44	5-1/2	1108	244	1589	162.1	1430	146.0
46	5-3/4	1201	264	1698	173.2	1528	155.9
48	6	1294	285	1807	184.4	1626	166.0
50	6-1/4	1418	312	1971	201.1	1774	181.0
52	6-1/2	1557	343	2136	217.9	1922	196.1
54	6-1/4	1681	370	2300	234.7	2070	211.2
56	7	1805	397	2464	251.5	2218	226.0
58	7-1/4	1930	425	2622	267.6	2360	240.8
60	7-1/2	2055	452	2778	283.4	2500	255.1
62	7-3/4	2180	480	2936	299.5	2642	269.6
64	8	2325	512	3092	315.5	2783	284.0
66	8-1/4	2488	547	3293	336.1	2964	302.5
68	8-1/2	2650	583	3496	356.7	3146	321.0
70	8-3/4	2813	619	3697	377.2	3327	339.5
72	9	3025	666	3898	397.7	3508	358.0
74	9-1/4	3180	700	4080	416.3	3672	374.7
76	9-1/2	3335	734	4263	435.0	3837	391.5
78	9-3/4	3490	768	4444	453.5	4000	408.2
80	10	3645	802	4628	472.2	4165	425.0

2.PP&Polyester Mixed 12 Strand Rope

Material: high tenacity PP and polyester fibers
Structure:12 strand
Melting point:165°C/260°C
Abrasion resistance: excellent
UV resistance: excellent
Chemical resistance: good
Water Absorption: None
Dry and wet conditions: wet strength equals dry strength
Excellent shock absorption



PP&Polyester Mixed 12 Strand Rope

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cirinch	g/m	kgs/220m	kN	ton	kN	ton
40	5	830	182.6	295	30.10	265.5	27.1
44	5-1/2	1009	221.98	358	36.48	322.2	32.9
48	6	1188	261.36	420	42.86	378	38.6
50	6-1/4	1300	286	454	46.33	408.6	41.7
52	6-1/2	1412	310.64	488	49.80	439.2	44.8
54	6-3/4	1519	334.18	525	53.58	472.5	48.2
56	7	1626	357.72	562	57.35	505.8	51.6
60	7-1/2	1873	412.06	640	65.31	576	58.8
62	7-3/4	2001	440.22	683	69.65	614.7	62.7
64	8	2129	468.38	725	73.98	652.5	66.6
72	9	2696	593.12	907	92.55	816.3	83.3
76	9-1/2	3012	662.64	1007	102.76	906.3	92.5
80	10	3328	732.16	1107	112.96	996.3	101.7
88	11	4013	882.86	1334	136.12	1200.6	122.5
92	11-1/2	4398	967.56	1455	148.42	1309.5	133.6
96	12	4783	1052.26	1575	160.71	1417.5	144.6



PP MULTIFILAMENT ROPE

● PP Multifilament Rope

Our PP multifilament ropes are made of 100% multifilament fiber with high flexibility. Characterized by low weight, good floating performance, smooth surface and easy operation, they boast good abrasion resistance, good extensibility, and resistance against impact.

Application:

ship mooring system, port towing
pelagic fishing, sea farming.

Density: 0.91g/cm³

Melting point: 165°C

Elongation: 16-20%

Abrasion resistance: good

Water resistance: good

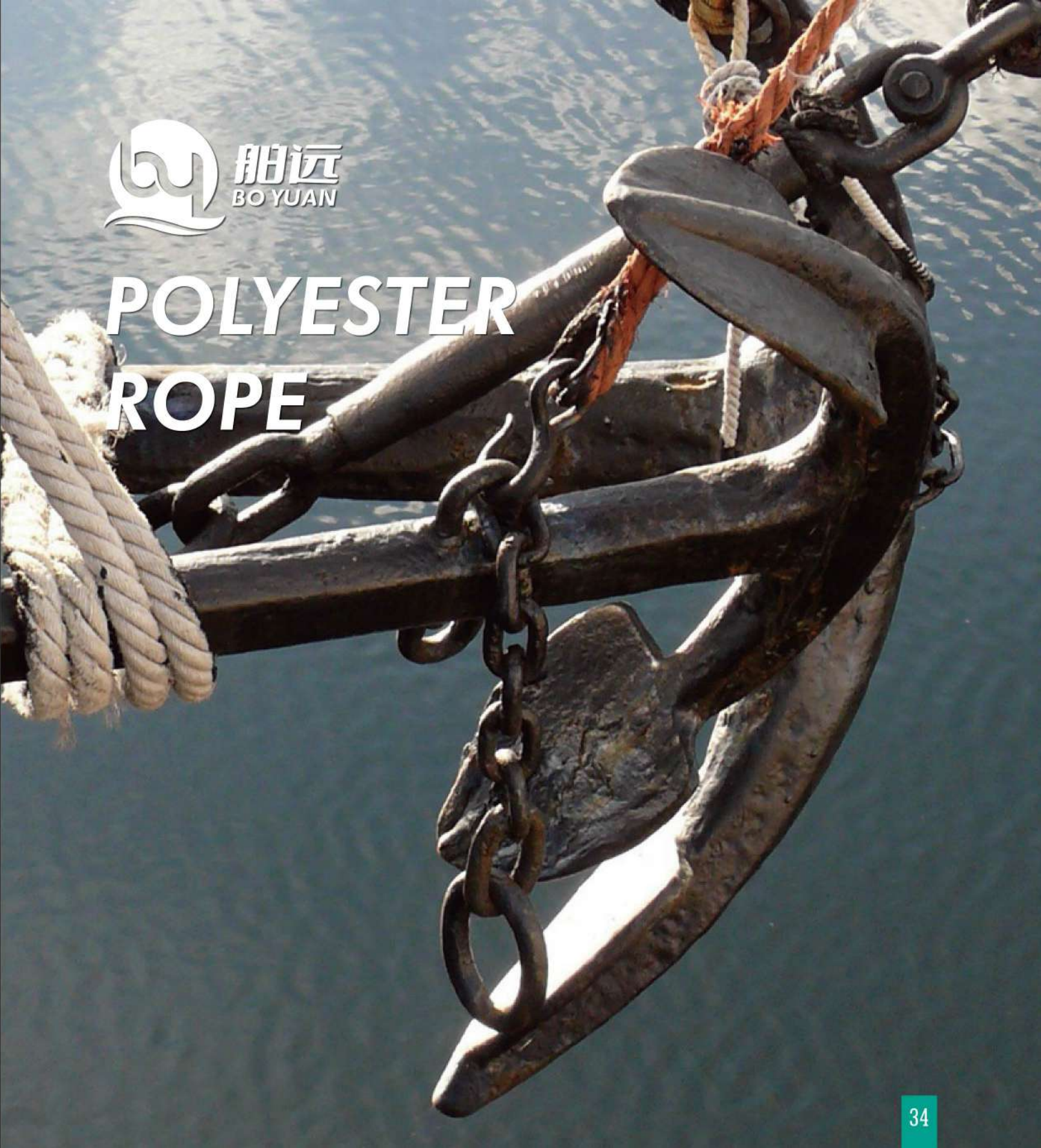
Chemical resistance: good

Wet strength equals dry strength



PP Multifilament Rope 8/12 Strand

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
24	3	260	57	81	8.3	73	7.4
28	3-1/2	355	78	107	10.9	96	9.8
32	4	460	101	135	13.8	122	12.4
36	4-1/2	586	129	175	17.9	158	16.1
40	5	718	158	211	21.5	190	19.4
44	5-1/2	881	194	253	25.8	228	23.2
48	6	1040	229	295	30.1	266	27.1
50	6-1/4	1130	249	318	32.4	286	29.2
52	6-1/2	1220	268	341	34.8	307	31.3
56	7	1420	312	388	39.6	349	35.6
60	7-1/2	1630	359	445	45.4	401	40.9
64	8	1850	407	503	51.3	453	46.2
70	8-3/4	2217	488	601	61.3	541	55.2
72	9	2340	515	633	64.6	570	58.1
75	9-3/8	2553	562	687	70.1	618	63.1
80	10	2910	640	778	79.4	700	71.4
85	10-5/8	3285	723	875	89.3	788	80.4
88	11	3510	772	933	95.2	840	85.7
90	11-1/4	3675	809	977	99.7	879	89.7
95	11-7/8	4087	899	1088	111.0	979	99.9
100	12-1/2	4535	998	1185	120.9	1067	108.8
104	13	4860	1069	1260	128.6	1134	115.7
112	14	5680	1250	1460	149.0	1314	134.1
120	15	6510	1432	1670	170.4	1503	153.4



● Polyester Rope

Available with 8-strand and 12-strand structures, our polyester ropes are made of 100% polyester fiber with high flexibility. Among all synthetic fiber ropes, polyester ones stand out for their best abrasion resistance, anti-aging performance, resistance against fatigue, UV and chemical corrosion resistance. Under the same humidity condition, their breaking strength and elongation are parallel with standard state.

Application:
marine mooring, pelagic fishery, sea farming.

- Density:** 1.38g/cm³
- Melting point:** 260°C
- Elongation:** 10%-18%
- Abrasion resistance:** good
- UV resistance:** good
- Chemical resistance:** good



Polyester Rope 8/12 Strand

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
24	3	437	96	95	9.7	86	8.7
28	3-1/2	594	131	126	12.8	113	11.6
32	4	778	171	159	16.3	143	14.6
36	4-1/2	982	216	200	20.4	180	18.4
40	5	1210	266	250	25.5	225	23.0
44	5-1/2	1470	323	301	30.8	271	27.6
48	6	1750	385	354	36.1	319	32.5
50	6-1/4	1895	417	383	39.1	345	35.2
52	6-1/2	2050	451	426	43.5	383	39.1
55	6-7/8	2300	506	465	47.4	419	42.7
56	7	2380	524	476	48.6	428	43.7
60	7-1/2	2730	601	543	55.4	489	49.9
64	8	3110	684	616	62.8	554	56.6
68	8-1/2	3510	772	674	68.8	607	61.9
70	8-3/4	3715	817	713	72.8	642	65.5
72	9	3930	865	755	77.0	680	69.3
75	9-3/8	4263	938	818	83.5	736	75.1
80	10	4850	1067	965	98.5	869	88.6
85	10-5/8	5480	1206	1058	107.9	952	97.2
88	11	5870	1291	1127	115.0	1014	103.5
90	11-1/4	6140	1351	1179	120.3	1061	108.3
95	11-7/8	6850	1507	1302	132.8	1172	119.6
100	12-1/2	7580	1668	1463	149.3	1317	134.4
104	13	8200	1804	1583	161.5	1425	145.4
112	14	9500	2090	1805	184.2	1625	165.8
120	15	10900	2398	2071	211.3	1864	190.2



船远
BO YUAN

NYLON ROPE

● Nylon Rope

Our nylon ropes enjoy good water absorption performance, high strength, great elongation and good abrasion resistance. Compared with other chemical fiber ropes, they have better shock absorption, longer service life and greater UV resistance.

Application:

ship mooring, navy ships, pelagic fishing, sea farming.

Material: Premium polyamide

Density: 1.14g/cm³

Melting point: 215°C

Elongation: 18%-37%

Abrasion resistance: excellent

UV resistance: excellent

Chemical resistance: good



Nylon Rope 8/12 Strand

Size		Weight		MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kgs/220m	kN	ton	kN	ton
24	3	355	78	114	11.6	103	10.5
28	3-1/2	485	107	156	15.9	140	14.3
32	4	630	139	211	21.5	190	19.4
36	4-1/2	830	13	266	27.2	239	24.4
40	5	1000	220	315	32.1	284	28.9
44	5-1/2	1210	266	375	38.3	338	34.4
48	6	1430	315	450	46.0	405	41.3
50	6-1/4	1535	338	484	49.3	436	44.4
52	6-1/2	1680	370	529	54.0	476	48.6
56	7	2010	442	603	61.5	543	55.4
60	7-1/2	2260	497	676	69.0	608	62.1
64	8	2520	554	756	77.1	680	69.4
68	8-1/2	2860	629	858	87.6	772	78.8
70	8-3/4	3020	664	900	91.8	810	82.7
72	9	3300	726	957	97.7	861	87.9
75	9-3/8	3460	761	1003	102.4	903	92.1
80	10	4030	887	1189	121.3	1070	109.2
85	10-5/8	4450	979	1326	135.3	1193	121.8
88	11	4780	1052	1424	145.4	1282	130.8
90	11-1/4	4990	1098	1487	151.7	1338	136.6
96	12	5690	1252	1701	173.6	1531	156.2
100	12-1/2	6160	1355	1830	186.7	1647	168.1
104	13	6660	1465	1918	195.7	1726	176.1
112	14	7720	1698	2239	228.4	2015	205.6
120	15	8870	1951	2501	255.2	2251	229.7



NYLON SYNTHETIC FIBER ROPE

● **Nylon Synthetic Fiber Rope**

Known as ATLAS abroad, our nylon synthetic fiber ropes are made of high-quality nylon monofilament line plus nylon multifilament fiber. Produced with sophisticated technology, they have lower weight, higher strength, longer service life and greater elongation compared to the same category of domestic product. They are truly a product with world-class quality.

- Density: 1.14g/cm³
- Melting point: 215°C
- Elongation: 14%-25%
- Abrasion resistance: excellent
- UV resistance: good
- Chemical resistance: good



Nylon Synthetic Fiber Rope 6 Strand

Size		Weight		MBL	
Dia.mm	Cirinch	g/m	kgs/220m	kN	ton
40	5	1040	229	304	31.0
44	5-1/2	1250	275	412	42.0
48	6	1480	326	490	50.0
52	6-1/2	1640	361	531	54.0
56	7	2000	440	651	66.4
60	7-1/2	2160	475	686	70.0
62	7-3/4	2350	517	784	80.0
64	8	2450	539	795	81.1
68	8-1/2	2810	619	925	94.4
70	8-3/4	3110	684	1010	103.0
72	9	3250	715	1040	106.1
78	9-3/4	3770	829	1180	120.4
84	10-1/2	4270	939	1380	141.0
90	11-1/4	5040	1109	1620	165.3
96	12	5860	1289	1870	191.0





MOORING TAILS

● Mooring Tails

The nylon tail has good shock absorption and was widely used in ship towing.



Nylon Tail 8/12 Strand

Size			Weight	MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cirinch	Length.M	KG	kN	ton	kN	ton
64	8"	11	46.5	790	80.61	711	72.55
68	8-1/2"	11	51	857	87.45	771.3	78.70
72	9"	11	58.5	959	97.86	863.1	88.07
80	10"	11	70	1185	120.92	1066.5	108.83
88	11"	11	86	1422	145.10	1279.8	130.59
96	12"	11	102.5	1680	171.43	1512	154.29
104	13"	11	118	1917	195.61	1725.3	176.05
112	14"	11	139	2233	227.86	2009.7	205.07
120	15"	11	157	2492	254.29	2242.8	228.86



PP&Polyester mixed tail is updated product of polyester and polypropylene. It's superior to pure polyester or polypropylene only, lighter weight than polyester and stronger breaking strength than polypropylene.



PP & Polyester Mixed Tail 8/12 Strand

Size			Weight	MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	Length.M	KG	kN	ton	kN	ton
64	8"	11	36	741	75.6	667	68.1
68	8-1/2"	11	41	833	85.0	750	76.5
72	9"	11	45.5	926	94.5	833	85.0
80	10"	11	56	1129	115.2	1016	103.7
88	11"	11	67.5	1361	138.9	1225	125.0
96	12"	11	80.5	1607	164.0	1446	147.6
104	13"	11	95	1865	190.3	1679	171.3
112	14"	11	109	2159	220.3	1943	198.3
120	15"	11	126	2464	251.4	2218	226.3



WINCH ROPE

● Winch Rope

The winch rope uses UHMWPE fiber as the main raw material, which has the advantages of smooth surface, low elongation, light weight, high strength, and UV resistance, and can replace steel cables.

UHMWPE Winch Rope

Size		Weight	MBL(Unspliced)		LDBF(Spliced)	
Dia.mm	Cir.inch	g/m	kN	ton	kN	ton
6	3/4	17.3	30	3.1	33	3.4
8	1	33.2	57	5.8	63	6.5
10	1-1/4	54	90	9.2	100	10.2
12	1-1/2	82	134	13.7	149	15.2
14	1-3/4	109	176	18.0	196	20.0
16	2	129	206	21.0	229	23.4
18	2-1/4	183	289	29.5	321	32.8
20	2-1/2	226	345	35.2	383	39.1



● Shackle





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