

PRODUCT DATA SHEET



TOUGH-PP 8/12

High Tenacity Polypropylene

Structure: 8/12-Strand

Light weight mooring line, very easy to handle and keep same strength in wet or dry environment. Floats and good UV resistance.

Features:

Specific Gravity:0.91-0.93g/cm³
 Melting Point:165
 Breaking Elongation:12%-20%
 Abrasion Resistance:Normal
 Chemical Resistance:Very
 Good UV Resistance:Normal
 Water Absorption:0%
 Wet-dry Strength Ratio:100%

Applications:

Floating Tow Line
 Mooring Line
 Tie-up Line
 Fishing Line
 Mooring Pick-up Line



Dia.		Circ.	Weight		8 Strands				12 Strands			
mm	inch	inch	kg/100	lbs/100	Unspliced MBL		Spliced MBL		Unspliced MBL		Spliced MBL	
					ton	kN	ton	kN	ton	kN	ton	kN
12	1/2	1-1/2	6.52	4.37	2.2	21	1.9	19	2.3	22	2.1	20
16	5/8	2	11.6	7.78	3.4	34	3.1	30	3.6	36	3.3	32
20	13/16	2-1/2	18.1	12.14	5.4	53	4.9	48	5.7	56	5.1	50
24	1	3	26.1	17.51	7.7	75	6.9	68	8.2	80	7.3	72
28	1-1/8	3-1/2	35.5	23.81	10.2	100	9.2	90	10.8	106	9.7	95
30	1-1/4	3-3/4	40.8	27.37	11.4	112	10.3	101	12	118	10.8	106
32	1-5/16	4	46.4	31.12	13.5	132	12.1	119	14.3	140	12.9	126
36	1-1/2	4-1/2	58.7	39.37	16.3	160	14.7	144	17.3	170	15.6	153
40	1-5/8	5	72.5	48.63	20.4	200	18.4	180	21.4	210	19.3	189
44	1-3/4	5-1/2	87.7	58.82	24.1	236	21.6	212	25.5	250	23	225
48	2	6	104	69.76	28.6	280	25.7	252	30.6	300	27.6	270
52	2-1/8	6-1/2	122	81.83	34.2	335	30.8	302	36.2	355	32.7	320
56	2-1/4	7	142	95.24	38.3	375	34.5	338	40.8	400	36.7	360
60	2-1/2	7-1/2	163	109.33	43.4	425	39.1	383	45.9	450	41.3	405
64	2-5/8	8	186	124.76	48.5	475	43.7	428	51	500	45.9	450
72	3	9	235	157.62	61.2	600	55.1	540	64.3	630	57.9	567
80	3-1/4	10	290	194.51	76.5	750	68.9	675	81.6	800	73.5	720
88	3-7/16	11	351	235.43	91.8	900	82.7	810	96.9	950	87.2	855
96	3-3/4	12	417	279.7	108.2	1060	97.3	954	114.3	1120	102.9	1008
104	4-1/4	13	490	328.66	127.6	1250	114.8	1125	134.7	1320	121.2	1188
112	4-5/8	14	568	380.98	142.9	1400	128.6	1260	153.1	1500	137.8	1350
120	4-3/4	15	652	437.32	163.3	1600	146.9	1440	173.5	1700	156.1	1530
128	5-5/16	16	742	497.68	193.9	1900	174.5	1710	204.1	2000	183.7	1800
136	5-5/8	17	838	562.07	216.3	2120	194.7	1908	228.6	2240	205.7	2016
144	6	18	939	629.82	240.8	2360	216.7	2124	255.1	2500	229.6	2250
160	6-5/16	19	1160	778.05	285.7	2800	257.1	2520	306.1	3000	275.5	2700



Lloyd's Register



ClassNK



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