

PRODUCT DATA SHEET

ROPENET

TOUGH-HS 8/12

High Tenacity Polyolefin

Structure: 8/12 strand

Made of high tenacity polyolefin fiber, which is the stronger rope among PP, PE and Polyolefin ropes. Excellent breaking strength and remarkable abrasion resistance.

Features:

Specific Gravity:0.96g/cm³

Melting Point:165

Breaking Elongation:12%-20%

Abrasion Resistance:Very Good

Chemical Resistance:Very Good

UV Resistance:Good

Water Absorption:0%

Wet-dry Strength Ratio:100%

Applications:

Floating Tow Line

Mooring Line

Tie-up Line

Fishing Line



Dia.		Circ.	Weight		8 Strands				12 Strands			
					Unspliced MBL		Spliced MBL		Unspliced MBL		Spliced MBL	
mm	inch	inch	kg/100m	lbs/100ft	ton	kN	ton	kN	ton	kN	ton	kN
12	1/2	1-1/2	6.52	4.37	2.6	25	2.3	23	2.7	27	2.5	24
14	9/16	1-3/4	8.88	5.96	3.5	34	3.2	31	3.7	36	3.3	33
16	5/8	2	11.6	7.78	4.5	44	4.1	40	4.8	47	4.3	43
18	3/4	2-1/4	14.7	9.86	5.6	55	5.1	50	6.1	59	5.4	53
20	13/16	2-1/2	18.1	12.14	6.9	68	6.2	61	7.4	73	6.7	66
22	7/8	2-3/4	21.9	14.69	8.4	82	7.6	74	8.9	87	8	79
24	1	3	26.1	17.51	9.9	97	8.9	87	10.6	104	9.6	94
26	1-1/16	3-1/4	30.6	20.52	11.5	113	10.4	102	12.3	121	11.1	109
28	1-1/8	3-1/2	35.5	23.81	13.3	130	11.9	117	14.2	139	12.8	125
30	1-1/4	3-3/4	40.8	27.37	15.1	148	13.6	133	16.1	158	14.5	142
32	1-5/16	4	46.4	31.12	17	167	15.3	150	18.3	179	16.4	161
36	1-1/2	4-1/2	58.7	39.37	21.3	209	19.3	189	22.9	224	20.6	202
40	1-5/8	5	72.5	48.63	26.1	256	23.6	231	28	274	25.2	247
44	1-3/4	5-1/2	87.7	58.82	31.2	306	28.1	275	33.4	327	30	294
48	2	6	104	69.76	36.7	360	33.1	324	39.3	385	35.4	347
52	2-1/8	6-1/2	122	81.83	42.8	419	38.5	377	45.7	448	41.1	403
56	2-1/4	7	142	95.24	49	480	44.2	433	52.4	514	47.2	463
60	2-1/2	7-1/2	163	109.33	55.6	545	50.1	491	59.5	583	53.6	525
64	2-5/8	8	186	124.76	62.7	614	56.3	552	67	657	60.3	591
68	2-3/4	8-1/2	210	140.85	70.3	689	63.3	620	75.2	737	67.7	663
72	3	9	235	157.62	78.2	766	70.4	690	83.7	820	75.3	738
80	3-1/4	10	290	194.51	94.9	930	85.4	837	101.5	995	91.4	896
88	3-7/16	11	351	235.43	113.5	1112	102	1000	121.4	1190	109.2	1070
96	3-3/4	12	417	279.7	133.5	1308	120.2	1178	142.9	1400	128.6	1260
104	4-1/4	13	490	328.66	154.5	1514	139.2	1364	165.3	1620	149	1460
112	4-5/8	14	568	380.98	179.3	1757	161.1	1579	191.8	1880	172.4	1690
120	4-3/4	15	652	437.32	203.2	1991	183.1	1794	217.3	2130	195.9	1920
128	5-5/16	16	742	497.68	230.8	2262	207.9	2037	246.9	2420	222.4	2180
136	5-5/8	17	838	562.07	259.4	2542	233.7	2290	277.6	2720	250	2450



Lloyd's
Register

ABS



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ClassNK



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