

PRODUCT DATA SHEET

ROPENET

TOUGH-HS 3

High Tenacity Polyolefin

Structure: 3-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%0

Applications:

Floating Tow Line

Mooring Line

Tie-up Line

Fishing Line



Dia.		Circ.	Weight		Unspliced		Spliced	
mm	inch	inch	kg/100m	lbs/100ft	ton	kN	ton	kN
12	1/2	1-1/2	7.1	4.8	2.6	25	2.2	22
14	9/16	1-3/4	9.1	6.1	3.1	30	2.8	27
16	5/8	2	11.2	7.5	3.8	37	3.4	33
18	3/4	2-1/4	16.1	10.8	5.1	50	4.6	45
22	7/8	2-3/4	22	14.8	7.1	70	6.4	63
24	1	3	27.8	18.6	8.7	85	7.8	76
26	1-1/16	3-1/4	31.5	21.1	9.7	95	8.7	85
28	1-1/8	3-1/2	35.3	23.7	10.8	106	9.7	95
30	1-1/4	3-3/4	42.7	28.6	13.1	128	11.7	115
32	1-5/16	4	47	31.5	14.3	140	12.9	126
36	1-1/2	4-1/2	61	40.9	18.4	180	16.5	162
40	1-5/8	5	71.1	47.7	21.5	211	19.4	190
44	1-3/4	5-1/2	82	55	24.9	244	22.4	220
48	2	6	106.9	71.7	31.5	309	28.4	278
52	2-1/8	6-1/2	120.7	81	35.5	348	31.9	313
56	2-1/4	7	136.2	91.4	40.1	393	36	353
60	2-1/2	7-1/2	165.2	110.8	48.5	475	43.7	428
64	2-5/8	8	186	124.8	54.5	534	49	480
68	2-3/4	8-1/2	218.8	146.8	63.9	626	57.4	563
72	3	9	236.6	158.7	69.4	680	62.4	612
80	3-1/4	10	287.2	192.6	81.9	803	73.8	723
88	3-5/8	11	385	258.2	104.4	1023	94	921
96	4	12	460	308.5	112.2	1100	101	990
100	4-1/8	12-1/2	500	335.4	123.5	1210	111.1	1089



Lloyd's Register



ClassNK



Email: info@ropenet.com

Tel: 86-538-8669566

Fax: 86-538-8502249

Web: www.ropenet.com Address: No.67, Leigushi Street, Taian, Shandong, China