

PRODUCT DATA SHEET

ROPENET

TOUGH MIX 8/12

High Tenacity Polypropylene & Polyester Mixed

Structure: 8/12 Strand

Updated product of High Tenacity polypropylene & polyester, it's superior to pure polyester or polypropylene only, lighter weight than polyester and stronger break strength than polypropylene, this rope is smooth, non-rotational and excellent coefficient of friction.

Features:

Specific Gravity:0.99g/cm³
 Melting Point: 165/260°C
 Abrasion Resistance:Very Good
 Chemical Resistance:Very Good
 UV Resistance:Very Good
 Water Absorption : 0%
 Wet-dry Strength Ratio:Dry Wet

Applications:

Mooring and Tie-up Line
 Mooring Pendants
 Tug Assist Line



Dia.		Circ.		Weight		8-Strand				12-Strand			
mm	inch	inch	kg/100m	lbs/100ft	Unspliced MBL		Spliced MBL		Unspliced MBL		Spliced MBL		
					ton	kN	ton	kN	ton	kN	ton	kN	
12	1/2	1-1/2	7	4.7	2.7	26	2.3	23	2.9	28	2.6	25	
14	9/16	1-3/4	9.5	6.4	3.6	35	3.2	31	3.9	38	3.5	34	
16	5/8	2	12.4	8.3	4.6	45	4.1	40	5	49	4.5	44	
18	3/4	2-1/4	15.7	10.5	5.7	56	5.2	51	6.3	62	5.7	56	
20	13/16	2-1/2	19.4	13	7	69	6.3	62	7.8	76	6.9	68	
22	7/8	2-3/4	23.5	15.8	8.4	82	7.6	74	9.2	90	8.3	81	
24	1	3	27.9	18.7	9.8	96	8.9	87	10.8	106	9.7	95	
26	1-	3-1/4	32.8	22	11.5	113	10.4	102	12.7	124	11.4	112	
28	1-1/8	3-1/2	38	25.5	13.3	130	11.9	117	14.6	143	13.2	129	
30	1-1/4	3-3/4	43.7	29.3	15.1	148	13.6	133	16.6	163	14.9	146	
32	1-	4	49.7	33.3	17	167	15.3	150	18.8	184	16.8	165	
36	1-1/2	4-1/2	62.9	42.2	21.4	210	19.3	189	23.6	231	21.2	208	
40	1-5/8	5	77.6	52.1	26.2	257	23.6	231	28.9	283	25.9	254	
44	1-3/4	5-1/2	93.9	63	31.4	308	28.3	277	34.6	339	31.1	305	
48	2	6	111	74.5	37.1	364	33.5	328	40.8	400	36.8	361	
52	2-1/8	6-1/2	132	88.5	43.3	424	39	382	47.6	466	42.9	420	
56	2-1/4	7	152	102	49.9	489	44.9	440	54.9	538	49.4	484	
60	2-1/2	7-1/2	175	117.4	56.9	558	51.2	502	62.7	614	56.3	552	
64	2-5/8	8	199	133.5	64.4	631	58	568	70.8	694	63.8	625	
68	2-3/4	8-1/2	225	150.9	72.1	707	64.9	636	79.4	778	71.4	700	
72	3	9	252	169	80.5	789	72.4	710	88.6	868	79.7	781	
80	3-1/4	10	311	208.6	98.3	963	88.5	867	108.1	1059	97.3	954	
88	3-5/8	11	375	251.5	118.4	1160	106.1	1040	130.2	1276	116.7	1144	
96	4	12	447	299.8	139.8	1370	125.5	1230	153.8	1507	138.1	1353	
104	4-1/4	13	526	352.8	162.2	1590	145.9	1430	178.5	1749	160.5	1573	
112	4-5/8	14	605	405.8	187.8	1840	169.4	1660	206.5	2024	186.3	1826	
120	5	15	698	468.2	214.3	2100	192.9	1890	235.7	2310	212.1	2079	
128	5-1/4	16	795	533.2	241.8	2370	217.3	2130	266	2607	239.1	2343	
136	5-5/8	17	895	600.3	271.4	2660	243.9	2390	298.6	2926	268.3	2629	
144	6	18	1010	677.4	303.1	2970	272.4	2670	333.4	3267	299.7	2937	
152	6-1/4	19	1130	757.9	335.7	3290	302	2960	369.3	3619	332.2	3256	
160	6-5/8	20	1250	838.4	370.4	3630	333.7	3270	407.4	3993	367	3597	



Lloyd's Register



ClassNK



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