

TOUGH - MIX™ 3/8/12

High Tenacity Polyolefin & Polyester Mixed

Structure: 8/12-strand

Updated product of High Tenacity polyester & polypropylene, 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: 0.99
 Melting Point: 165/260
 Abrasion Resistance: Good
 Chemical Resistance: Very Good
 UV Resistance: Very Good
 Water Absorption: 0%
 Wet-dry Strength Ratio: Dry ≈ Wet

Applications:

Mooring and Tie-up Lines
 Mooring Pendants
 Tug Assist Line
 Anchor Lines
 Towing Lines
 Mooring Lines



Dia		Circ.	Weight		Code	8-Strand				Code	12-Strand			
mm	inch	inch	kg/100m	lbs/100ft		Unspliced MBL		LDBF, Spliced MBL			Unspliced MBL		LDBF, Spliced MBL	
						ton	kN	ton	kN		ton	kN	ton	kN
24	1	3	27.9	18.7	6110514	11.8	116	10.6	104	6110614	12.3	120.6	11.0	108
26	1-1/16	3-1/4	32.8	22.0	6110515	13.9	136	12.4	122	6110615	14.4	141.4	12.9	127
28	1-1/8	3-1/2	38.0	25.5	6110516	15.9	156	14.3	140	6110616	16.6	162.2	14.9	146
30	1-1/4	3-3/4	43.7	29.3	6110517	18.2	178	16.3	160	6110617	18.9	185.1	17.0	166
32	1-5/16	4	49.7	33.4	6110518	20.4	200	18.4	180	6110618	21.2	208.0	19.1	187
36	1-1/2	4-1/2	62.9	42.2	6110520	25.7	252	23.2	227	6110620	26.7	262.1	24.1	236
40	1-5/8	5	77.6	52.1	6110522	31.4	308	28.3	277	6110622	32.7	320.3	29.4	288
44	1-3/4	5-1/2	93.9	63.0	6110523	37.8	370	33.9	332	6110623	39.3	384.8	35.2	345
48	2	6	111.0	74.5	6110525	44.6	437	40.2	394	6110625	46.4	454.5	41.8	410
52	2-1/8	6-1/2	132.0	88.6	6110526	51.9	509	46.7	458	6110626	54.0	529.4	48.6	476
56	2-1/4	7	152.0	102.0	6110527	59.9	587	53.9	528	6110627	62.3	610.5	56.0	549
60	2-1/2	7-1/2	175.0	117.5	6110528	68.4	670	61.4	602	6110628	71.1	696.8	63.9	626
64	2-5/8	8	199.0	133.6	6110530	77.2	757	69.6	682	6110630	80.3	787.3	72.4	709
68	3-3/4	8-1/2	225.0	151.1	6110531	86.5	848	77.9	763	6110631	90.0	881.9	81.0	794
72	3	9	252.0	169.2	6110533	96.6	947	86.9	852	6110633	100.5	984.9	90.4	886
80	3-1/4	10	311.0	208.8	6110536	118.0	1156	106.1	1040	6110636	122.7	1202.2	110.4	1082
88	3-5/8	11	375.0	251.8	6110538	142.0	1392	127.3	1248	6110638	147.7	1447.7	132.4	1298
96	4	12	447.0	300.1	6110540	167.8	1644	150.6	1476	6110640	174.5	1709.8	156.6	1535
104	4-1/4	13	526.0	353.1	6110542	194.7	1908	175.1	1716	6110642	202.5	1984.3	182.1	1785
112	4-5/8	14	605.0	406.2	6110545	225.3	2208	203.3	1992	6110645	234.3	2296.3	211.4	2072
120	5	15	698.0	468.6	6110548	257.1	2520	231.4	2268	6110648	267.4	2620.8	240.7	2359
128	5-1/4	16	795.0	533.7	6110549	290.2	2844	260.8	2556	6110649	301.8	2957.8	271.2	2658
136	5-5/8	17	895.0	600.9	6110551	325.7	3192	292.7	2868	6110651	338.7	3319.7	304.4	2983
144	6	18	1010.0	678.1	6110552	363.7	3564	326.9	3204	6110652	378.2	3706.6	340.0	3332
152	6-1/4	19	1130.0	758.6	6110554	402.9	3948	362.4	3552	6110654	419.0	4105.9	376.9	3694
160	6-5/8	20	1250.0	839.2	6110555	444.5	4356	400.4	3924	6110655	462.3	4530.2	416.4	4081

- a. Bespoke diameter and length is available.
- b. ±5% tolerance according to ISO 2307:2010.
- c. LDBF=Line Design Break Force according to MEG4 OCIMF Guidelines.

