

TOUGH - MIX™ 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: 0.91~0.93
 Melting Point: 165
 Breaking Elongation: 12%~20%
 Abrasion Resistance: Very Good
 Chemical Resistance: Very Good
 UV Resistance: Very Good
 Water Absorption: 0.01%
 Wet-dry Strength Ratio: Dry ≈ Wet

Applications:

Floating Tow Lines
 Mooring Lines
 Tie-up Lines
 Anchor Lines
 Fishing Lines
 Pick-up 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	28.8	19.3	6108514	13.5	132	12.2	120	6108614	14.0	137	12.7	125
26	1-1/16	3-1/4	33.7	22.6	6108515	15.7	154	14.3	140	6108615	16.3	160	14.9	146
28	1-1/8	3-1/2	39.4	26.5	6108516	18.0	176	16.3	160	6108616	18.7	183	17.0	166
30	1-1/4	3-3/4	44.9	30.1	6108517	20.4	200	18.6	182	6108617	21.2	208	19.3	189
32	1-5/16	4	51.1	34.3	6108518	23.1	227	21.0	206	6108618	24.0	236	21.9	214
36	1-1/2	4-1/2	64.1	43.0	6108520	29.1	285	26.4	259	6108620	30.2	296	27.5	269
40	1-5/8	5	79.1	53.1	6108522	35.5	348	32.2	316	6108622	36.9	362	33.5	329
44	1-3/4	5-1/2	97.7	65.6	6108523	42.2	414	38.4	376	6108623	43.9	430	39.9	391
48	2	6	114.5	76.9	6108525	49.8	488	45.3	444	6108625	51.8	508	47.1	462
52	2-1/8	6-1/2	134.0	90.0	6108526	57.9	568	52.7	516	6108626	60.2	590	54.8	537
56	2-1/4	7	156.0	104.7	6108527	66.6	652	60.5	593	6108627	69.2	678	62.9	617
60	2-1/2	7-1/2	179.0	120.2	6108528	75.4	739	68.6	672	6108628	78.4	769	71.3	699
64	2-5/8	8	203.6	136.7	6108530	84.9	832	77.1	756	6108630	88.3	865	80.2	786
68	3-3/4	8-1/2	230.0	154.4	6108531	95.3	934	86.6	849	6108631	99.1	971	90.1	883
72	3	9	258.0	173.2	6108533	106.1	1040	96.4	945	6108633	110.3	1081	100.3	983
80	3-1/4	10	319.0	214.2	6108536	128.7	1262	117.0	1147	6108636	133.9	1312	121.7	1193
88	3-5/8	11	386.0	259.1	6108538	153.8	1507	139.8	1370	6108638	159.9	1567	145.4	1425
96	4	12	459.0	308.2	6108540	181.1	1774	164.6	1613	6108640	188.3	1845	171.2	1678
104	4-1/4	13	536.0	359.9	6108542	209.8	2056	190.7	1869	6108642	218.2	2138	198.3	1944
112	4-5/8	14	623.0	418.3	6108545	242.8	2379	220.7	2163	6108645	252.5	2474	229.5	2250
120	5	15	718.0	482.0	6108548	275.9	2704	250.8	2458	6108648	286.9	2812	260.8	2556
128	5-1/4	16	816.0	547.8	6108549	313.2	3069	284.7	2790	6108649	325.7	3192	296.1	2902
136	5-5/8	17	922.0	619.0	6108551	352.0	3450	320.0	3136	6108651	366.1	3588	332.8	3261
144	6	18	1033.0	693.5	6108552	393.6	3858	357.9	3507	6108652	409.4	4012	372.2	3647
152	6-1/4	19	1155.0	775.4	6108554	436.7	4280	397.0	3891	6108654	454.2	4451	412.9	4047
160	6-5/8	20	1276.0	856.7	6108555	484.2	4745	440.2	4314	6108655	503.6	4935	457.8	4487

- 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.

