



HMPE

FEATURES:

Material: UHMWPE yarns with special coating

Specific gravity: 0,97

Elongation: 4% at break

Melting point: 150° C

Good resistance to UV and chemicals

Superior abrasion resistance

No difference in tensile strenght when wet or dry

Workable below -20°C

APPLICATIONS:

Mooring line, Tug line, Super sized commercial vessel, wire rope replacement

SIZE		LINEAR DENSITY	WEIGHT	BREAKING STRENGHT			
cir (inch)	dia (mm)			BS (Yarns T/S-41 g/d)		BS (Yarns T/S-32 g/d)	
		ktex	220 m (kg)	ton	kN	ton	Kn
1/2	4	10	2,2	1,84	18	1,33	13
3/4	6	23	5,2	3,88	38	3,27	32
1	8	39	8,9	5,72	56	4,60	45
1-1/4	10	61	14	9,10	89	7,35	72
1-1/2	12	87	20	15,10	148	10,20	100
1-3/4	14	117	26	18,60	182	15,30	150
2	16	151	34	24,50	240	19,30	189
2-1/4	18	190	43	29,00	284	23,40	229
2-1/2	20	232	53	34,00	334	28,00	273
2-3/4	22	281	64	41,00	401	33,00	322
3	24	331	75	48,00	473	38,00	371
3-1/2	28	445	100	76,20	748	52,20	562
4	32	575	130	91,20	895	68,50	671
4-1/2	36	720	162	107,30	1052	80,40	789
5	40	868	200	131,00	1285	98,20	964
5-1/2	44	955	215	157,00	1540	118,00	1158
6	48	1137	260	185,00	1815	139,00	1364
6-1/2	52	1342	300	212,00	2080	159,00	1560
7	56	1547	350	246,00	2408	184,00	1805
7-1/2	60	1784	400	265,00	2599	199,00	1952
8	64	2021	460	296,00	2903	222,00	2178
9	72	2598	590	365,00	3580	274,00	2688
10	80	3195	720	444,00	4355	333,00	3266
11	88	4170	940	519,00	5090	390,00	3825
12	96	4970	1120	606,00	5943	455,00	4463
13	104	5816	1310	695,00	6810	520,00	5096
14	112	6745	1520	783,00	7673	592,00	5800
15	120	7743	1750	924,00	9060	687,00	6730
16	128	8810	2000	1018,00	9980	779,00	7635
17	136	9945	2240	1122,00	11000	886,00	8682
18	144	11150	2520	1296,00	12700	1025,00	10045

+/- 5% tolerance according to ISO 2307