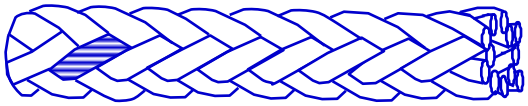
Dyneema® 12 strand

CONSTRUCTION

Braided ropes consist of an equal number of interwoven clockwise and anti-clockwise strands. They are well established where ease in handling and non-rotating behaviour is important. They are produced on a braiding machine containing twelve reels, each containing one strand. The rope is slightly hollow.



MATERIAL PROPERTIES

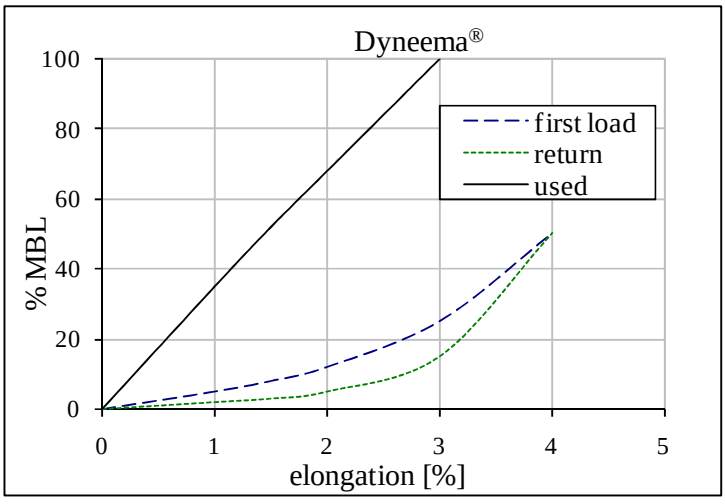
Polyethylene is an amorphous plastic with relatively low tensile strength. Throngh gel spinning the crystals achieves a maximum orientation, this give the material a high strength and stiffness. And it is commonly known as **H**igh **M**odulus **P**oly**E**thylene. It has an extremely low coefficient of friction and is extremely resistant to internal and external abrasion. The thermal properties of HMPE are similar to ordinary Polyethylene.

FEATURES

- Material: Ultra – High Molecular Weight Polyethylene (Dyneema SK75)
- Construction: 12 strand braided
- Treatment: Marine finish, winches
- Colour of Rope: Red (others on request)

- Approx. Spec. Density 0,975 floating
- Melting Point: 145° C
- Abrasion Resistance: Excellent
- U.V.resistance: Good
- Temperature resistance: 70°C max continuous
- Chemical resistance: Excellent
- Dry & wet conditions: Wet strength equals dry strength

- Range of use: Fishing, off-shore installation, mooring



Dia	Circ.	Min Break Load		Weight	
mm	"	tf	kN	kg/100m	kg/coil
6	1/2	6,1	60,0	3,5	7,7
8	3/4	7,6	74,6	3,8	8,4
10	1	10,1	99,1	5,0	11,0
12	1 1/4	14,2	139,3	7,4	16,3
14	1 1/2	18,5	181,5	9,6	21,1
16	1 3/4	24,6	241	12,8	28,2
18	2	30,7	301	16,0	35,2
20	2 1/4	36,9	362	19,3	42,5
22	2 1/2	43,1	423	22,5	49,5
24	2 3/4	49,5	486	26,7	58,7
26	3	60,7	595	33,1	72,8
28	3 1/4	66,5	652	36,4	80,1
30	3 1/2	75,4	740	41,8	92,0
32	3 3/4	85,4	838	47,6	105
34	4	105	1029	60,2	132
36	4 1/2	123	1211	74,3	163
40	5	148	1447	89,9	198
44	5 1/2	171	1680	107	235
48	6	199	1953	126	277
52	6 1/2	226	2219	146	321
56	7	259	2538	167	367
60	7 1/2	289	2831	190	418
64	8	320	3139	215	473
68	8 1/2	354	3470	241	530
72	9	388	3806	268	590
76	9 1/2	427	4188	297	653
80	10	499	4896	360	792
88	11	576	5650	428	942
96	12	645	6325	502	1104
104	13	740	7263	582	1280
112	14	838	8220	668	1470
120	15	941	9231	760	1672
128	16	1050	10297	858	1888

Coil length: 220m
Spliced strength: ± 10% lower
Diameter ± 2%
Weight and length tolerance: ± 5%
MBL= **M**inimum **B**reaking **L**oad conform ISO 2307
Other sizes available upon request