



FACOMAX

Facomex creates FacoMax a rope made with 12 strands and filaments of HMPE (HIGHT MOLECULAR POLYETHYLENE), FacoMax is an excellent alternative to replace the steel cable and wire ropes that are heavy and unwieldy, These is when FacoMax appears because it is stronger than conventional steel cable and it weights is 8 times less.

Its characteristics are particularly appreciated in the operation in tug-
ging, drag mooring.

Another benefit FacoMax have is that it is a rope that floats in comparison with steel cable and also the reduction in diameter can lead to substantial savings in weight and size in the mooring winches, while it is much easier to handle by the user area thanks to its flexibility, diameter and weight.

Applications:

- Moorings for marine tugging.
- Ideal for marine maneuvers of great responsibility.
- Ideal for carrying and lifting.
- Replacing the wire rope.
- Floatability and light for maneuvers.

Elongation / elongation:

10%	20%	30%
0.46%	0.70%	0.96%

- Excellent UV Protection
- Water absorption: 0%

Main Characteristics:

HMPE (HIGHT MOLECULAR POLYETHYLENE)

Specific Gravity: 0.97

Excellent resistance and great abrasion

No loss of strength / resistance when wet

Chemical resistance: Good

Melting Point: approximately 150oC

Type of construction: 12 strands Braided from 3/4 " to 2"

PROPIEDADES PROPERTIES	POLIPROPILENO POLY	NYLON NYLON	POLIÉSTER POLYESTER	MANILA MANILA	SISAL SISAL	POLYSTEEL POLYSTEEL	HMPE (High Molecular Polyethylene)
Resistente a la corrosión Rot Resistant	• • • • •	• • • • •	• • • • •	•	•	• • • • •	• • • • • • •
Resistente al moho Mildew Resistant	• • • • •	• • • • •	• • • • •	•	•	• • • • •	• • • • •
Resistente a la gasolina y al aceite Oil and gas resistant	• • • • •	• • • • •	• • • • •	• •	• •	• • • • •	• • • • •
Resistente al ácido Acid Resistant	• • • • •	• • • •	• • • • •	•	•	• • • • •	• • • • •
Manipulable Handling	• • •	• • • • •	• • • • •	• •	•	• • •	• • • • •
Durabilidad Durability	• • •	• • • • •	• • • • •	• • •	•	• • • • •	• • • • • • •
Abrasión Abrasion	• •	• • • • •	• • • • •	• • •	• •	• • • • •	• • • • • • •
Resistente a descarga eléctrica Shock Load	• •	• • • • •	• • •	• •	•	• • •	• • • • •
Resistente a la luz solar Sunlight Resistant	•	• •	• • • • •	• • • • •	• • • • •	• • •	• • • • •
Almacenaje Storage	Seco / Húmedo Dry/Wet	Seco / Húmedo Dry/Wet	Seco / Húmedo Dry/Wet	Seco Dry	Seco Dry	Seco / Húmedo Dry/Wet	Seco / Húmedo Dry/Wet
Flotabilidad Floats	Sí Yes	No No	No No	No No	No No	Sí Yes	Sí Yes
El calor lo debilita a Heat weakens at	65 °C 150 °F	176 °C 350 °F	176 °C 350 °F	No se verá afectado Unaffected	No se verá afectado Unaffected	65 °C 150 °F	147 °C 296 °F



FACOMAX 12 STRANDS

Diameter		CIRCUNFERENCE	MINIMUN Breaking Strength	
Mm	Inches	Inches	Kg	Lb
6	1/4	3/4	4200	9259
8	5/6	1	6700	14771
10	13/32	1-1/8	10800	23810
12	15/32	1-1/2	16500	36376
14	9/16	1-3/4	22000	48502
16	5/8	2	27500	60627
18	23/32	2-1/4	35000	77162
20	13/16	2-1/2	41500	91492
22	7/8	2-3/4	50000	110231
24	15/16	3	58000	127868
26	1-1/32	3-1/4	66000	145505
28	1-1/8	3-1/2	74000	163142
30	1-3/16	3-3/4	81500	179677
32	1-1/4	4	88500	195109
34	1-11/32	4-1/4	96000	211644
36	1-7/16	4-1/2	104000	229281
38	1-1/2	4-3/4	112000	246918
40	1-19/32	5	127000	279987
42	1-21/32	5-1/4	140000	308647
44	1-3/4	5-1/2	152000	335103
46	1-13/16	5-5/8	165000	363763
48	1-7/8	6	179000	394627
50	2	6-1/4	193000	425492
52	2-1/16	6-1/2	193000	454152
56	2-1/4	7	236000	520291
60	2-3/8	7-1/2	252000	555565
64	2-1/2	8	282000	621704
68	2-11/16	8-1/2	316000	696661
72	2-7/8	9	348000	767209
80	3-5/32	10	422000	930351
88	3-7/16	11	503000	1108925
96	3-13/16	12	588000	1296318