



Orion Premium



Characteristics

Melting point:
140° - 260°C

Specific gravity:
0,98

Abrasion Resistance:
very good

Elongation at break:
approximately 17%

Orion Premium is a durable line with excellent elongation properties.

The outstanding performance features of Orion Premium result from a specially composed yarn comprising two different fibers: a Polyver fibre core which is carefully over twisted with high grade polyester fibers. These composite yarns offer high strength, in combination with high abrasion resistance.

The composition of the two fibers in Orion Premium is different from the Astra Line. It produces a floating Orion Premium rope, with a slight reduction in elongation properties and abrasion resistance compared with Astra Line, which is favored by many shipowners.

Orion Premium elongations at a given load factor, as a percentage of the minimum breaking force of the rope:

MBF	Elongation
20%	7%
30%	9%
40%	11%
50%	13%



Article No.	Size No.	Diameter mm	Weight Kg/100 mtr	MBF mtons	MBF kN	Weight lbs/100 ft	MBF Lbs
156040	5	40	80	33,1	324	54	72.924
156044	5,5	44	93,4	38,5	377	63	84.820
156048	6	48	113	46,5	456	76	102.445
156052	6,5	52	133	54,5	534	89	120.070
156056	7	56	153	62,5	613	103	137.695
156060	7,5	60	177	71,5	701	119	157.524
156064	8	64	202	81,5	799	136	179.555
156068	8,5	68	228	91,8	900	153	202.247
156072	9	72	255	102	1.000	171	224.719
156076	9,5	76	282	112	1.098	189	246.750
156080	10	80	312	123	1.205	210	270.985
156088	11	88	379	150	1.470	255	330.469
156096	12	96	449	177	1.735	302	389.954
156104	13	104	526	206	2.019	353	453.844
156112	14	112	614	237	2.323	413	522.141

The Oliveira ropes are produced in the Oliveira factory in Paredes, Portugal, in accordance with ISO 2307:2005. The breaking forces indicated are referring to the strength in the ropes itself, without efficiency losses due to splicing or other end terminations.