DATASHEET

Marlow®

SUPERLINE PES

Marlow Superline PES is a high strength, polyester "jacketed" rope that is an alternative to steel wire or applications in which improved abrasion resistance is required.

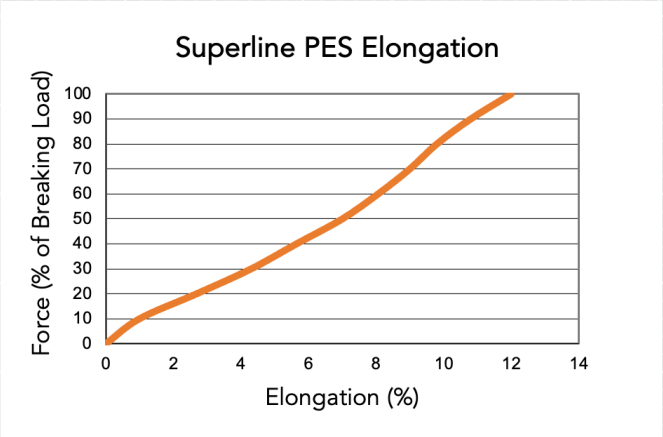
Firm and round in profile, Superline PES has excellent drum spooling properties and has an abrasion resistant jacket.

Polyester's dynamic characteristics can help reduce shock loading whilst maintaining full control of the lift or pull.

Nominal Diameter		Mass (PES Cover)		Minimum Linear Strength			Minimum Spliced Strength		
mm	Inch	kg/m	lb/100 ft	kg	lb	kN	kg	lb	kN
16	5/8	0.18	12.1	8,100	17,852	79.00	7,290	16,067	71.10
18	11/16	0.28	18.8	11,600	25,566	114.0	10,440	23,009	102.6
20	25/32	0.32	21.5	12,900	28,432	127.0	11,610	25,589	114.3
22	7/8	0.36	24.2	15,100	33,280	148.0	13,590	29,952	133.2
24	1	0.45	30.2	18,500	40,774	181.0	16,650	36,697	162.9
28	1 1/8	0.55	36.9	22,500	49,590	221.0	20,250	44,631	198.9
32	1 5/16	0.77	51.7	30,500	67,222	299.0	27,450	60,500	269.1
36	1 1/2	0.87	58.4	36,400	80,226	357.0	32,760	72,203	321.3
40	1 5/8	1.12	75.2	46,300	102,045	454.0	41,670	91,841	408.6
44	1 3/4	1.37	92.0	58,200	128,273	571.0	52,380	115,446	513.9
48	2	1.65	111	69,100	152,296	678.0	62,190	137,066	610.2
52	2 1/8	2.06	138	84,700	186,679	831.0	76,230	168,011	747.9
56	2 1/4	2.27	153	95,000	209,380	932.0	85,500	188,442	838.8
60	2 1/2	2.48	167	105,000	231,420	1,030	94,500	208,278	927.0
64	2 5/8	2.80	188	118,000	260,072	1,157	106,200	234,065	1,041
72	2 13/16	3.91	263	168,000	370,272	1,648	151,200	333,245	1,483
80	3 3/16	4.56	306	198,000	436,392	1,942	178,200	392,753	1,748

Key Specifications:

Material:
High Tenacity Polyester
Construction:
Multiple laid cores/24 plait cover
Cover:
High Tenacity Polyester
Relative Density:
1.38
Chemical Resistance:
Excellent resistance to most chemicals, but can be susceptable to damage from very strong alkalis.
UV Resistance:
Very good
Melting Point:
260°C
Elongation:
3% @ 20% of Break load
7% @ 50% of Break Load
Options:
Filter Fabric, Marine finish



Ropes designed in accordance with ISO 10325:2018
Linear MBL refers to unspliced ropes determined in accordance with ISO 2307:2019