

EUROTECH®



Technora aramid ropes have been engineered for applications where light weight, high strength and good abrasion resistance are important. These ropes are manufactured in a 6 strand wire lay construction with an overall jacket of polyester.

Synthetic ropes versus steel wire rope:

Already in 1992 the first reports were published regarding the use of HMPE fibre in ropes for running over pulleys (Institut für Förderungs Technik/ Uni Stuttgart).

Initial conclusions, after many bend-over-sheave tests:

HMPE ropes can reach the same or even higher bending cycles as steel wire rope
 Test speed was adjusted so that temp. did not exceed 40 Degrees C
 Diameter decrease and lengthening of cable can be used discard criteria



Diameter mm	Weight g/m	MBF kN	MBF tf
12	90	50	5,0
14	135	101	10,0
16	185	151	15,0
18	266	201	20,5
20	317	252	25,7
22	405	353	36,0
24	460	403	41,1
26	615	490	49,9
28	675	585	59,6
30	780	685	69,8
32	880	785	80,0
34	995	930	94,8
36	1060	1020	104
38	1190	1170	119
40	1320	1320	135

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This data is for guidance purposes only and subject to changes without prior notice.

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