

Aracom Miniline



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Aracom Miniline combines a low helix angle core of Technora® Aramid with a very tightly woven over-braid of thin polyester. Aracom Miniline provides the maximum strength-to-weight ratio in a composite Aramid polyester construction. Aracom Miniline can also be ordered with fuzz fairing, which is highly effective at eliminating strum and reducing drag where application is either hydrodynamic or aerodynamic. Yale's faired ropes can be wound on a reel without any damage to the fairing or rope. Contact Yale for more details.



Technora®

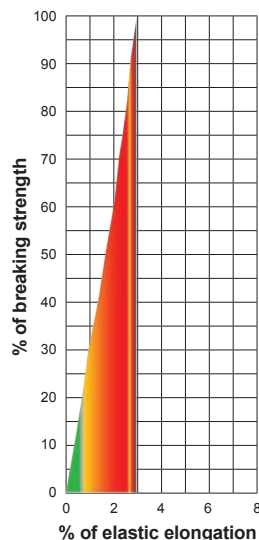
The power of Aramid

Specifications

Diameter		Average Spliced Break Strength*		Minimum Spliced Break Strength*		Maximum** Working Load 5:1		Weight	
Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Lbs/100ft	Kg/100m
1/16	(2)	450	200	405	180	90	40	0.2	0.3
3/32	(2.4)	850	385	765	347	170	77	0.4	0.6
1/8	(3)	1,650	745	1,485	671	330	149	0.8	1.2
5/32	(4)	2,400	1,085	2,160	977	480	217	1.0	1.5
3/16	(5)	4,000	1,815	3,600	1,634	800	363	1.7	2.5
1/4	(6)	6,000	2,720	5,400	2,448	1,200	544	2.2	3.3
5/16	(8)	8,000	3,630	7,200	3,267	1,600	726	3.3	4.9
3/8	(10)	12,800	5,810	11,520	5,229	2,560	1,162	4.6	6.8
7/16	(11)	16,900	7,670	15,210	6,903	3,380	1,534	6.7	10.0
1/2	(13)	22,000	9,985	19,800	8,987	4,400	1,997	8.0	11.9
9/16	(14)	30,500	13,845	27,450	12,461	6,100	2,769	10.6	15.8
5/8	(16)	36,000	16,340	32,400	14,706	7,200	3,268	12.0	17.9
3/4	(19)	56,000	25,420	50,400	22,878	11,200	5,084	21.0	31.3
7/8	(22)	78,000	35,410	70,200	31,869	15,600	7,082	25.9	38.6
1	(25)	94,000	42,675	84,600	38,408	18,800	8,535	33.9	50.5

* Knots and abrupt bends significantly reduce the strength of all ropes and lower the maximum working load.

** Working load is based on static or moderately dynamic lifting/pulling operations. Instantaneous changes in load, up or down, in excess of 10% of the rope's rated working load constitute hazardous shock load and would void the normal working-load recommendation. Consult Yale Cordage for guidelines for working loads and the safe use of rope.



Energy Absorption

The colored area under the curve represents the rope's energy-absorption capability.

- Green working 100 ft. lbs./lb.
- Red ultimate 4,906 ft. lbs./lb.

Dielectric Strength: Due to their moisture gain, high-dielectric applications are not recommended for Aracom T and Aracom Miniline.

Approved Splice Technique:
#10015111.

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength

Specific Gravity: 1.40

Fuzz Fairings: Yale Cordage

designs combinations of high-performance fairings specifically for the ocean environment in almost any configuration. In use, they contribute significantly to drag reduction, strum suppression and longitudinal damping. Some obvious benefits are longer cable life and reduced background noise for better data. Special handling is not required, it won't hamper deployment gear, and it is cost effective. Fairings are used on towed array configurations, drifting buoys, moored arrays (surface and subsurface), and many drogue applications due to a recently developed stiff bristle fairing.