

Aracom T

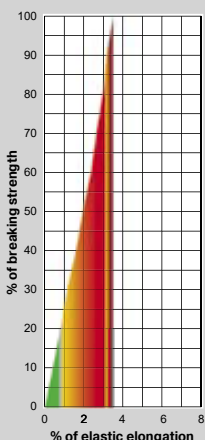
Double Braid



Aracom T is a double braid consisting of a Technora® Aramid core with a sleeve of high-tenacity polyester. Aracom T maintains a high degree of flexibility and is easily spliced.

Yale's exclusive Aralube process infuses the Technora with molten lubricant prior to entering our twisting equipment. Lab and field experience have shown that this added, internal permanent lubrication (nonsoluble) treatment leads to an extended wear life (as much as four times). It cuts down internal abrasion, reduces lament breakage in processing and helps us manage fiber tensions in the factory as we ply up a strand. The polyester sleeve is thicker than its sister product, Miniline, which gives it better protection in high-abrasion applications. The entire strength of Aracom T is derived from the core, and the sleeve's purpose is to protect the core from abrasion.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
3/16	4,000	4,400	4,500	1.5
1/4	6,100	6,700	6,800	2.7
5/16	8,700	9,600	9,700	3.8
3/8	13,000	14,000	14,500	5.1
7/16	15,500	17,000	17,500	6.8
1/2	20,500	22,500	23,000	8.7
9/16	24,500	27,000	27,500	10.0
5/8	30,500	34,000	34,000	13.3
3/4	35,000	38,500	39,000	16.9
7/8	62,000	68,000	69,000	24.5
1	78,000	85,000	87,000	32.5
1-1/8	88,000	96,000	98,000	45.0
1-1/4	99,000	105,000	110,000	51.0



Energy Absorption

The colored area under the curve represents the rope's ability to do "work" and is expressed in foot-pounds per pound of rope in tension.

■ Green working 157 ft. lbs./lb.

■ Red ultimate 4,409 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: #10018000, #10018007.

■ Minimum Break Strength

Specific Gravity: 1.40

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