PolyPlus Braid

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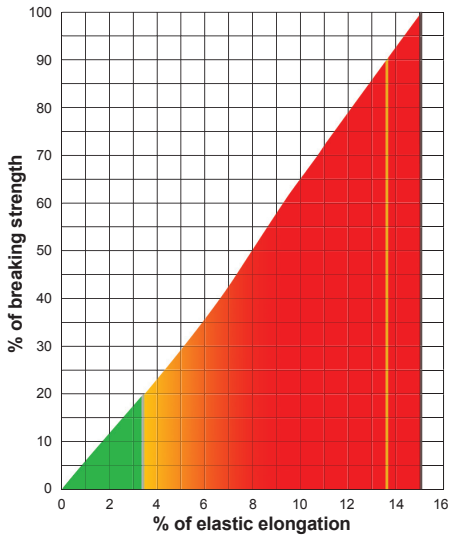
PolyPlus Braid is an affordable 12-strand single-braid rope constructed of high-tenacity polyester plied over "Para-ep" polyolefin in each individual strand. A unique plying technique as well as a generous proportion of polyester to olefin is coupled with Yale's exclusive Aralube treatment to optimize the rope's abrasion resistance. The "Para-ep" provides body to the rope and enhances its handling characteristics while keeping the rope's weight to a minimum. The two-end-per-carrier structure makes the rope very easy to splice, and it is entirely torque balanced. PolyPlus Braid is the strongest single-braid polyester/polyolefin blended rope available and is always manufactured with dual red strands.

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
1/4	(6)	2,300	1,040	2,070	936	460	208	1.5	2.2
3/8	(10)	4,500	2,040	4,050	1,836	900	408	3.5	5.2
7/16	(11)	6,000	2,720	5,400	2,448	1,200	544	4.5	6.7
1/2	(13)	8,500	3,855	7,650	3,470	1,700	771	6.2	9.2
9/16	(14)	10,250	4,650	9,225	4,185	2,050	930	7.1	10.6
5/8	(16)	12,000	5,445	10,800	4,901	2,400	1,089	9.8	14.6
3/4	(19)	17,000	7,715	15,300	6,944	3,400	1,543	13.1	19.5

* 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.



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 395 ft. lbs./lb.
- Red ultimate 8,228 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry PolyPlus Braid is 100 micro-amperes when tested at 100kV per Yale Method 712-1701 Rev 1 "Routine Production Test." Absorbed and entrained moisture or impurities will increase rope's conductivity dramatically.

Approved Splice Technique: #10015101.

Maximum Working Load
Minimum Break Strength
Average Break Strength

Specific Gravity: 1.25

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