

# Sierra 75



Sierra 75 is a 12-strand single braid of Dyneema® SK75 UHMPE fiber enhanced with Yale's Maxijacket High Performance coating. Designed in the likeness of our Ultrex, this product was created utilizing our unmatched engineering and manufacturing processes. Built tough and designed for enhanced strength to meet the demands of your application.



**3-5%**  
higher break strength  
lb for lb over generic  
UHMPE fibers

Diameter Inches	Weight Lbs/100ft	Average Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Lbs	Maximum** Work Load 5:1 Lbs
1/16	0.1	820	740	160
1/8	0.3	2,270	2,040	450
5/32	0.5	3,500	3,150	700
3/16	1.0	6,180	5,560	1,240
1/4	1.7	10,300	9,270	2,060
5/16	2.4	15,240	13,720	3,050
3/8	3.6	20,600	18,540	4,120
7/16	4.6	27,300	24,570	5,460
1/2	6.4	38,520	34,670	7,700
9/16	8.0	46,350	41,720	9,270
5/8	9.5	54,590	49,130	10,920
3/4	14.0	77,250	69,530	15,450
7/8	17.9	100,940	90,850	20,190
1	24.2	123,600	111,240	24,720
1-1/8	28.8	152,440	137,200	30,490
1-1/4	33.9	177,160	159,440	35,430
1-5/16	41.8	189,520	170,570	37,900
1-1/2	49.7	252,860	227,570	50,570
1-5/8	62.0	293,550	264,200	58,710
1-3/4	74.2	339,900	305,910	67,980
2	90.4	401,700	361,530	80,340

\* 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 or 10% of the rope's related 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.

At Yale Cordage, we recognize that selecting the best fiber is as crucial to product performance as the engineering and design process. Our 70 years of experience in fiber technology and innovation allows us to deliver the best ropes and services to help you work smarter, not harder.

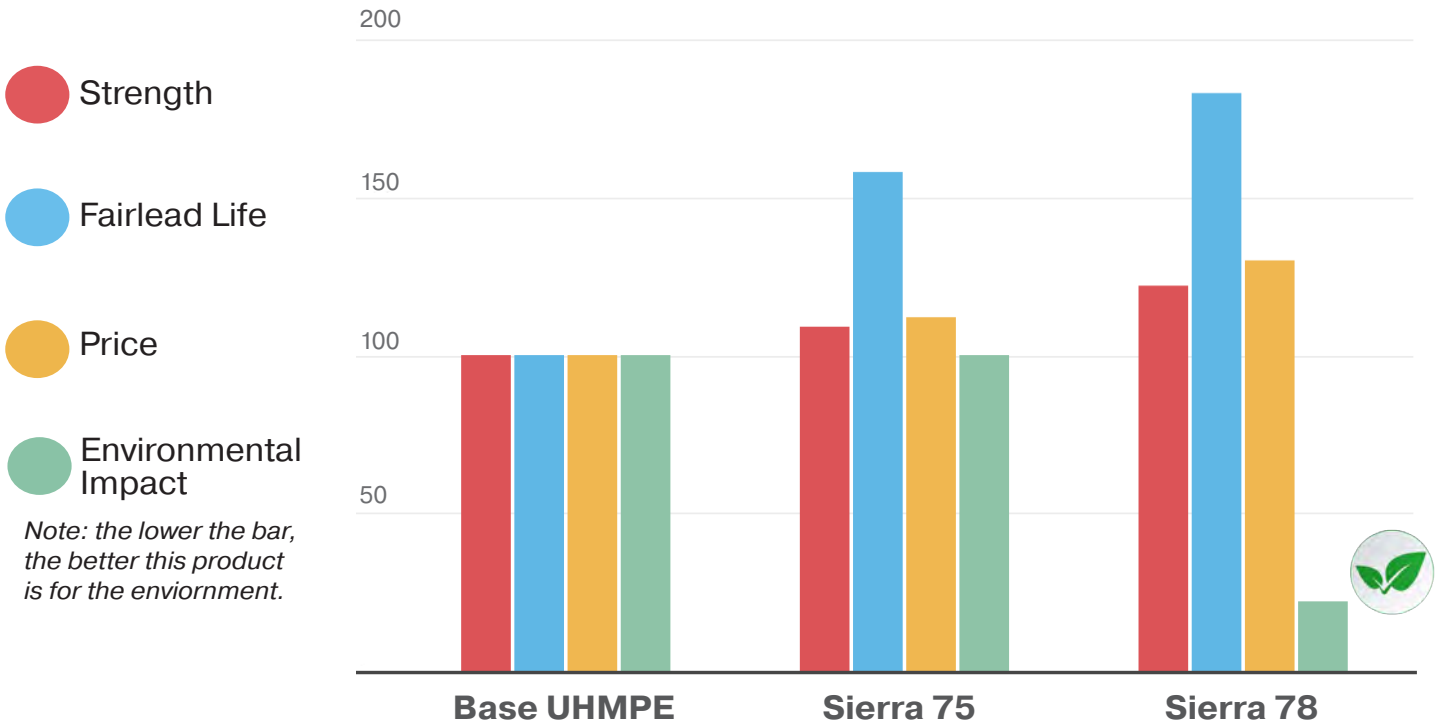
### Standard Characteristics

- Enhanced Dyneema® Fiber SK75
- Maxijacket HP Coating - Yale Cordage
- Berry Compliant

### Special Order Options

- ISCC Certified Eco Sustainable Fiber
- Type X Enhanced Wear Coating
- XBO Finish - Dyneema®
- SK99-DM20 Fiber Choices - Dyneema®

## Not All UHMPEs Are Created Equal



Our **Sierra 78** is a 12-strand single braid product made with bio-based Dyneema® fiber, the world's first ever bio-based UHMPE fiber. Get the same trusted performance you expect from a Yale Cordage product while reducing your business's carbon footprint. Ask your Sales Rep about **Sierra 78** today.