

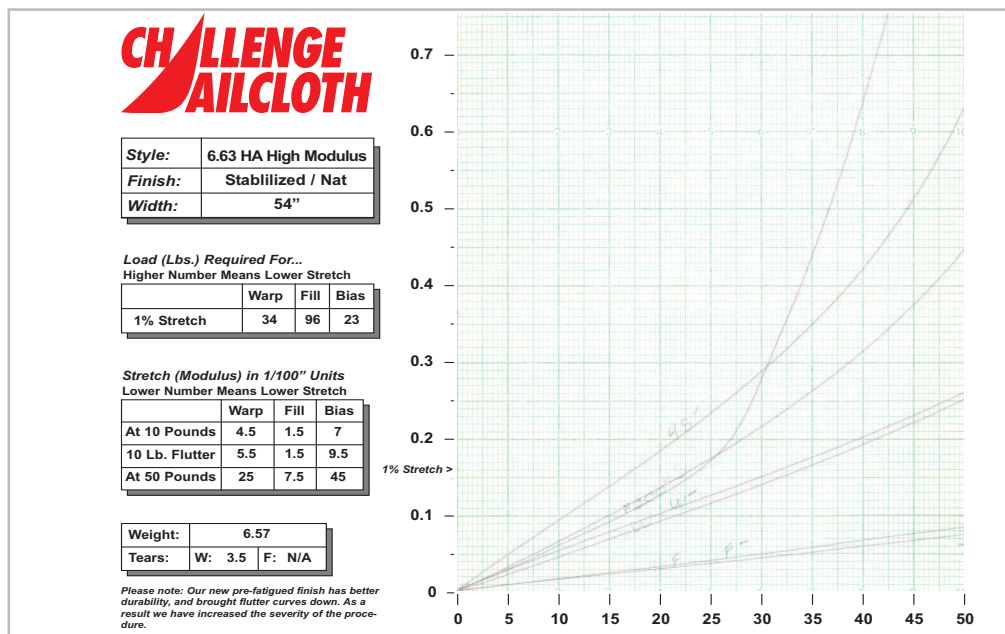
6.63 High Aspect High Modulus



Challenge Sailcloth's High Modulus Weaves are high performance racing and high end cruising fabrics. They feature tight weaves of very high counts of warp yarns (high sleys), and highest modulus, highest shrink Fiber 104 or Performance Fibers 1W70 fill yarns in most weights (where available). These superior fibers (the finest that money can buy) best resist high leech loads in Crosscut Sails. High Modulus Weaves compare extremely favorably to the top constructions made by our competitors, who use little to no Fiber 104 and 1W70.

Construction

- 6.63 has a very high warp count of 150 denier Dacron, and a 500 denier Performance Fibers 1W70 fill. The high sley (number of warp yarns) makes straight "tunnels" which make the fill yarn very straight. (Low "crimp") This concept takes maximum advantage of the very high modulus or low stretch fill yarn.
- Warp to fill denier ratio of 1 : 3.3 makes this a High Aspect Ratio suitable for sails of Luff to Foot ratio of 3:1 or more.
- The Actual weight is about 6.6 Oz. per yard.



Finish

- Our STABILIZED finish is achieved by immersing the fabric in a bath of suspended resin. The resin is absorbed by the fiber. The cloth is fed into an oven where the liquids are driven off, leaving resin solids bonded to fibers. The fabric is heat-set several times, methodically shrunk at high temperature, further tightening the weave, and calendered at high tonnage to further stabilize the bias.
- Available in Firm spec of 1.5-7, or Medium Firm 2-12: See "Stretch in 1/100" Units", "At 10 lbs" on graph.

Applications

- 6.63 is for use in Mains, #2 and #3 Genos on 27-31 foot boats.
- Heavy #1 Genos on 32-36 foot boats, Medium #1's on 37-41 footers and Light #1's on 42-48 foot boats.

