

CHALLENGE AIRCLOTH

NEWPORT - AP

The Best Performance and Sail Shape

Newport AP is a great choice for you if



You demand high crosscut sail performance.



You want the unmatched durability of woven sailcloth.



You want the performance of Fiber104 with High Mass Fiber Technology.



You want the highest combination of performance cruising and long distance.

Newport Sailcloth is the ideal fabric for sailors who want high performance in a crosscut woven sail. Newport is produce with Fiber104 just like Marblehead, and also has added High Mass Fiber Technology by adding larger denier fibers. Newport AP uses Strong Fill constructions for higher aspect rigs, high resistance to stretch and high durability.

COMPOSITION + RECOMMENDED USE

FIBER	100% Fiber104.
CONSTRUCTIONS	High Interlock Weaves with added High Mass Fiber Technology. Larger Denier Warp Fibers for sail live and longevity.
FINISH	Firm for high performance and Medium Firm for ease of Handling.
SAIL TYPE	High Quality Upwind Mainsails – Full Batten Mainsails – Performance Racing Crosscut Sails – Mast and Boom Furling Mainsails – Headsails.
APPLICATION CHART	Discuss the best weight and product for your particular rig with your sailmaker.

RIG AND CONSTRUCTIONS

PRODUCT	YARN DENIER	FINISH
D5.45	200 x 350	Firm - Medium Firm
D5.93	150 x 350	Firm - Medium Firm
D6.45	220 x 440	Firm - Medium Firm
D6.63	150 x 500	Firm - Medium Firm
D7.45	275 x 500	Firm - Medium Firm
D7.95	275 x 750	Firm - Medium Firm
D8.45	350 x 840	Firm - Medium Firm
D9.45	350 x 1000	Firm - Medium Firm
D10.95	440 x 1300	Firm - Medium Firm
D12.95	500 x 1800	Firm - Medium Firm

DESIGNED IN AMERICA

Challenge Sailcloth is a family business headquartered in Connecticut and California. Sailing is our passion and we know how the products must perform.

100 YEARS OF INNOVATION

Challenge is owned by Bob Bainbridge, the former owner of Bainbridge Sailcloth. Our team brings 100 years of history and knowledge to sailcloth design.

QUALITY MANUFACTURING

Challenge designs and controls the manufacturing process from start to finish to deliver trustworthy products to sailors. We select the fiber, weaving, finishing, coating and laminating all in proprietary processes. We partner with world renowned companies to deliver quality solutions.

HIGH QUALITY MATERIALS

The fibers in Challenge Sailcloth are engineered using premium fibers, resins, coatings and frontier technologies.

PERFORMANCE & LONGEVITY

Challenge designs sailcloth for every type of sailboat, from a race dingy to a superyacht. We have materials for racers and cruisers alike.

GLOBAL REACH

Challenge works closely with the leading sailmakers and sail designers around the world to create products and meet the ever changing demand of today's sailors. We aim to reach sailors in every country, harbor and sea.