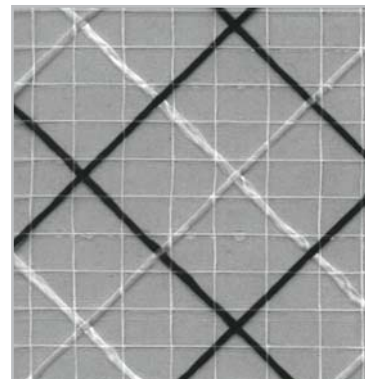


CHALLENGE AIRCLOTH

MNX4 Reinforced Monofilm



Challenge Reinforced Monofilm is used quite widely in custom or production Windsurfing, Catamaran, One Design Sails, or as a membrane sail, sometimes reinforced with high modulus tapes. Stocked in 3 and 4 mil, it is available on custom order in 2 mil, 5, 6, or 7 mil. We also produce it in custom made colors with minimum order sizes. Reinforced monofilm from Challenge has a very fine square scrim supporting the X yarns. This scrim offers superior tear strength and seam holding ability.



Construction

- X Yarns of alternating black and white 1000 denier polyester sandwiched between polyester films.
- Fine denier almost invisible square scrim provides improved seam holding ability, tear strength and puncture resistance not available in laminates of unsupported expanses of film between the X yarns.
- Available in Aramid for highest performance: Twaron Reinforced Monofilm.

**CHALLENGE
AIRCLOTH**

Fabric:	Reinforced Monofilm
Style:	MNX4
Finish:	4 MIL
Width:	54"

Load (Lbs.) Required For...
Higher Number Means Lower Stretch

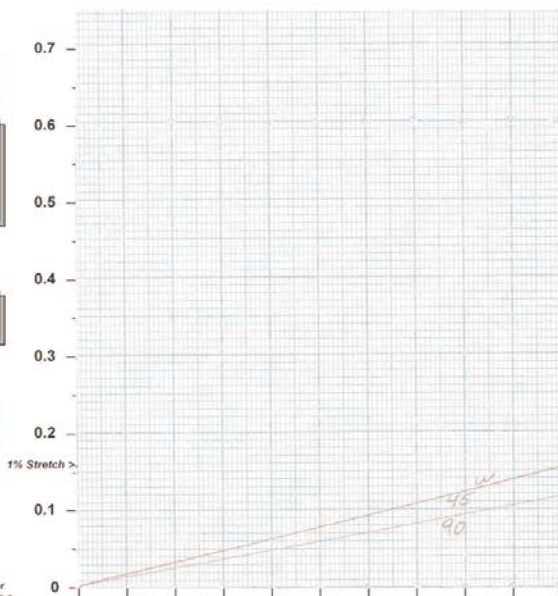
	Warp	Fill	Bias
1% Stretch	52	65	52

Stretch (Modulus) in 1/100" Units
Lower Number Means Lower Stretch

	Warp	Fill	Bias
At 10 Pounds	3	2.5	3
At 50 Pounds	15.5	11.5	15.5

Weight:	4.31
Tears:	W: 4.08 F: 4.67

Please note: Our new pre-fatigued finish has better durability, and has brought flutter curves down. As a



Finish



- Stretch resistance for heavier mils dependant mostly on film thickness. Each Mil weighs approximately one ounce.

Applications

- Production or custom windsurfers, catamarans, high performance skiffs, One Design classes.
- Reinforced Monofilm is also used alone for low stretch membrane sails, or with