

# WHY ADD SKINS TO YOUR FUSION M® SAILS?

## ONE OF OUR SKIN OPTIONS IS RIGHT FOR YOUR SAIL IF YOU:

- Are a club racer looking for longer sail life
- Have overlapping headsails where abrasion over shrouds is a significant concern
- Want heavy-weather sails for your program
- Are in a one design class where sail button restrictions demand the longest possible sail life

With more lightweight options than ever before, you can experience the benefits of skin technology without sacrificing performance.

- More durability through enhanced abrasion resistance.
- Softer handling than film-film membrane sails.
- Reduced shrinkage compared to film-film membrane sails.

## SKIN COMPARISON GUIDE

STYLE	DESCRIPTION	WEIGHT GSM	COLOR
0.5 MATTE	Polyester film, non-glare surface	54	Matte
0.75 MATTE	Polyester film, non-glare surface	63	Matte
VĒLUM™	Woven polyester	69	Black
0505 LITE SKIN™ (LS)	Random array non-woven polyester filaments	73	Grey
1010 LITE SKIN™ (LS)	Random array non-woven polyester filaments	93	Grey
50 X 50 WHITE TAFFETA	Woven polyester	115	White
50 X 50 GREY TAFFETA	Woven polyester	115	Grey
150 X 150 WHITE TAFFETA	Woven polyester	160	White
150 X 150 GREY TAFFETA	Woven polyester	160	Grey

## QUANTUM'S NEWEST SKIN OPTIONS

### VĒLUM™ / Woven Skin, All Black

Vēlum™ pronounced [Vee – Lum] is exclusive to Quantum Sails. Vēlum is a woven material that is 25% lighter compared to Lite Skin, a non-woven covering. As a woven skin, Vēlum provides slightly better tear resistance than Lite Skin. Vēlum is offered as a one or two-sided option for all racing product lines except the Fusion M MR 9000 series. Color: Black



### LITE SKIN™ / Two Weights, Matte Finish

Lite Skin is a composite material featuring a random array of non-woven polyester filaments laminated to 0.5 mil Mylar® film and top-coated. The finished product is opaque with a light grey, matte finish. Unlike conventional taffetas, seam sewing is not required. Lite Skin is available in two weights and offers a cost savings compared to Vēlum. Lite Skin comes standard on some of Quantum's offshore one design sails.



## FAQs

### SINGLE SIDED VS. DOUBLE SIDED?

Single sided on non-overlapping headsails has proven effective for improving the durability at the lowest possible weight gain. For even greater durability and for overlapping headsails applications where abrasion resistance is paramount, consider double sided.

**ABRASION RESISTANCE?** Testing has shown the abrasion resistance of these outer skins to be similar to conventional taffetas.

**STRENGTH?** To keep attendant weight increases to minimal level, the Mylar® film thickness has been reduced so the net strength of the sail is not increased.

**SHRINKAGE?** Shrinkage is reduced because of reducing Mylar® film thickness and reduced creasing.



**QUANTUM SAILS®**  
TO THE NEXT CHALLENGE.