

thinner
lighter
stronger

Next evolution in sailcloth.

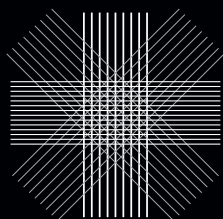


NEOS



Thinner-lighter-stronger: The Tyra is back, and even better than before. Our highlight product for performance racers is now also available in a version for club racers who want to sail at the highest level. The ultra-thin material enables sailmakers to create sophisticated designs for different applications.

Our Tyra Technology®, the heart of the black Club Racing Composite, ensures a significant weight reduction of around 40 percent compared to classic laminates. At the same time, the multiaxial use of our Tyra UD® tapes provides enormous profile stability – even in high winds. The new Lite Skin® finish ensures greater resistance to abrasion and therefore improved durability. It also makes the material resistant to climatic influences such as cold and heat as well as strong sunlight.



Technical highlights

- Spread filament-based technology
- Best weight-to-modulus-ratio
- Exceptional support of off-angle loads
- Ultra-thin

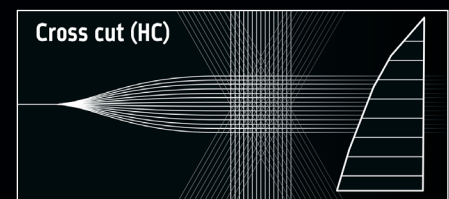
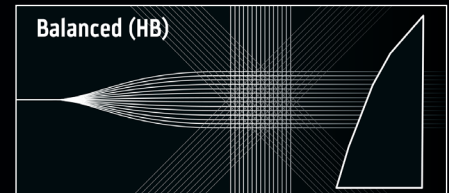
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**Inner matrix:
Tyra Technology® multiaxial**

Surface: Lite Skin®

Boat Length	Application	Cross cut	Balanced
20 - 25	Mainsail Light #1	TP05 HB	TP05 HB
		TP05 HB	TP05 HB
		TP05 HB	TP05 HB
		TP05 HB	TP05 HB
26 - 30	Mainsail Light #1	TP07 HB	TP07 HB
		TP05 HB	TP05 HB
		TP07 HB	TP07 HB
		TP07 HB	TP07 HB
31 - 35	Mainsail Light #1	TP10 HC / TP07 HB	TP07 HB
		TP07 HB / TP05 HB	TP07 HB / TP05 HB
		TP07 HB	TP07 HB
		TP10 HC / TP07 HB	TP07 HB
36 - 40	Mainsail Light #1	TP10 HC	TP07 HB
		TP07 HB	
		TP07 HB	
		TP10 HC	
41 - 45	Mainsail Light #1	TP15 HC / TP10 HC	TP07 HB
		TP10 HC / TP07 HB	
		TP10 HC / TP07 HB	
		TP15 HC / TP10 HC	
46 - 50	Mainsail Light #1	TP15 HC	TP07 HB
		TP10 HC / TP07 HB	
		TP15 HC	
		TP15 HC	



Our application chart is just a guideline based on our experience with our material. Responsibility of final decision regarding material choice and the associated warranty involved lies with the sailmaker taking in to account the respective circumstances / conditions

Tyra Technology® – From fibres to monofilament tapes to rolled goods

With our Tyra Technology®, we split fibres into individual filaments and fix them onto a unidirectional monofilament layer tape in a previously unattainable, homogeneous distribution. The product is our Tyra UD® Tape. This innovative filament tape forms the basis of the new Tyra range. Our world-leading production enables the processing of numerous fibre types and combinations as well as the integration of various stabilising materials such as scrims, veils and adhesives. The Tyra UD® tapes are laid on top of each other at different angles to form the inner matrix structure of Tyra PLY®. Here, we focus on the requirements of the respective application areas and produce various qualities, ranging from unidirectional (0°) to biaxial (0° and 90°) and multiaxial (0°, 90°, 83°, and off-angle support).

The use of Tyra UD® ensures unique profile stability even in demanding environmental conditions and offers significant weight savings compared to conventional laminates or membranes at the same time. Depending on the area of application, the surface also varies and ensures the durability of the material with a light, thin and strong inner matrix – we offer high-performance products for performance racers, club racers and cruisers.

