



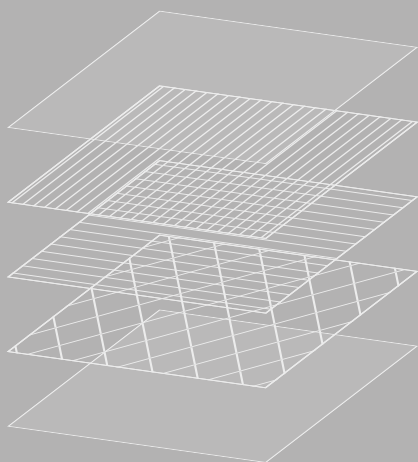
APEN Racing Laminate

ZigZag reinforced Pen Laminate for the racing sailor

Contender PEN Racing laminate is a favourite among racing sailors from club to international and Olympic level. Our Apen Racing laminates made with **ZigZag** yarn technology enable you to have a sail made of radial panels that matches the modern rigging of your dinghy or yacht. The result is fast and durable sails that have proved themselves time and again on the racecourse, thanks to their wide trimming range and the great durability.

Thanks to continuous innovation in collaboration with sailmakers and yachtsmen throughout the world, we have successfully developed a technologically sophisticated range of laminated sailcloths that meet the highest demands of modern sail design.

ZigZag technology



Film

0° PEN

90° PEN

35° ZigZag

Film

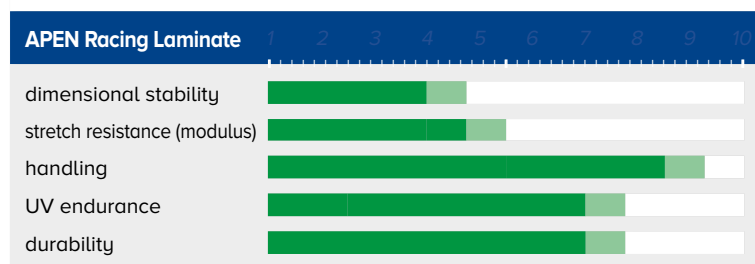
APEN Racing Laminate

Our **ZigZag fibre** layout ensures efficient support and distribution of the loads over the radial panels in your sail. The effect of this fibre layout is to reduce the load on the Mylar film, helping the sail to retain its shape longer.

Pen Fibres for performance combined with good flex and UV stability.

Go the extra mile!

► Comparative features



► Weight range Performance APEN Racing Laminates

Style	Film mil	Weight oz.	Fibercontent DPI		
			0°	90°	+35°/-35° ZigZag
APEN 06	1.5	3.7	6000	2000	500
APEN 06 OD	3.0	4.5	6000	2000	500
APEN 12	1.5	5.2	12000	2500	500
APEN 18	1.5	6.7	18000	5000	500

Check our website for the complete colour range.

► Applications APEN Racing Laminates

Boat length ft.	Mainsail	No. 3	No. 2	No. 1
25 – 30	APEN 12	APEN 12	APEN 12	APEN 06
31 – 35	APEN 18	APEN 18	APEN 18	APEN 12
36 – 40			APEN 18	APEN 12

APEN 06 OD has 3.0 mil film thickness & is designed for demanding One Design applications such as the new Olympic Nacra 17 catamaran. It is available with a range of coloured finishes.



APEN 06 CLEAR 3,0



APEN 06 SILVER 3,0

[Click here for more information](#)



Go the extra mile!