Radial Laminate Sails

Radial Core Laminate (RCL)

The RCL range of Film-on-Film Polyester laminates is an exclusive CSF product and the only radial CORE cloth on the market for traditional tri-radial constructed sails. The cloth was developed by our Technical laminate division using their vast experience from 8 years of producing membrane sails and experimenting with various laminating techniques. RCL cloth has a unique internal Taffeta core which provides a lighter alternative to MCL and suitable for use as a cruise/race Sailcloth for Yachts up to 45ft. The range uses High Tenacity Polyester scrim which virtually eliminates warp crimp and resists stretch. The cloth has a 'hi-tech' look with a subtle grey colouring.

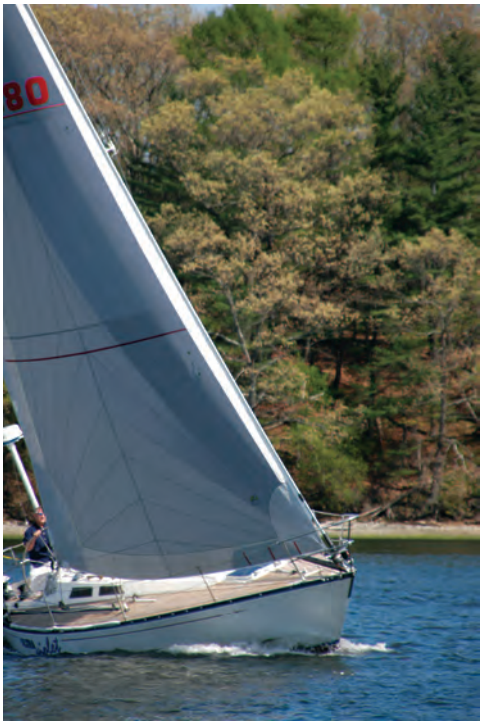
The internal lightweight Taffeta combined with a special laminating process produces a much softer hand than a normal film-on-film sail, extends longevity and makes a 'quieter' sail.

RCL Specifications

Code	Film	Scrim 0° / 90°		Internal Taffeta	Film	Laminate Weight		Cloth Width		Available Colours
		Warp	Fill			SM oz	gsm	mms	Inch	
RCL - 210	1 mil 23 micron	1000 Denier high density polyester	500 denier ultra low stretch polyester	1.0 oz 40 gm²	1 mil 23 micron	4.9	210	1400	55	Grey
RCL - 245	1 mil 23 micron	2000 Denier high density polyester	500 denier ultra low stretch polyester	1.0 oz 40 gm²	1 mil 23 micron	5.7	245	1400	55	Grey
RCL - 290	1 mil 23 micron	3000 Denier high density polyester	500 denier ultra low stretch polyester	1.75 oz 75 gm²	1 mil 23 micron	6.7	290	1400	55	Grey

Application Chart

Boat Length		Mainsail	Furling Genoa	Headsails		
ft	m			# 1	# 2	# 3
20 - 25	6.0 - 7.5	245	245	210	210	245
25 - 30	7.5 - 9.0	245	245	210	245	245
30 - 35	9.0 - 10.5	245	245	210	245	290
35 - 40	10.5 - 12	290	290	245	290	290
40 - 45	12 - 14	290	290	245	290	290



Test Data

	Elongation at 10 lbs			Load required @ 1%		
	Warp	Weft	Bias	Warp	Weft	Bias
RCL – 210	3	4	6	58	40	31
RCL – 245	3	4	6	78	42	31
RCL - 290	2	4	6	87	41	29

NOTE:
The test data shown is an historical average of the RCL we produced in 2010.