

# Radial Laminate Sails

## Radial Dinghy Laminates (RDL)



CSF's unique warp orientated polyester laminate is designed to be used for a variety of one design and small keelboat applications. The cloth is ideally suited for radial construction of sails for club and school fleets, our RDL cloth exhibits good durability as well as performance with Zero crimp warp yarns and overall stability.

Combining high tenacity, low stretch polyester warp and fill fibres with a Black X-ply for off-thread line bias performance, provides a rugged construction and a modern hi-tech appearance.

Available in three weights, the RDL range was developed for and successfully tested on extreme land-sailing craft.

The RDL 205 is suitable for small keelboats up to 22ft.

### RDL Specifications

Code	Film	Warp	Fill	X Scrim	Warp DPI	Film	Cloth Weight		Cloth Width	
							SM oz	gsm	mms	Inch
RDL - 150	½ mil 12 micron	Polyester white 1000 Denier 6 per inch	Polyester white 500 Denier 5 per inch	22° 1000 denier black polyester with warp insert	6000	½ mil 12 micron	3.5	150	1372	54
RDL - 175	½ mil 12 micron	Polyester white 1000 Denier 6 per inch	Polyester white 500 Denier 5 per inch	22° 1000 denier black polyester with warp insert	9000	1 mil 23 micron	4	175	1372	54
RDL - 205	1 mil 23 micron	Polyester white 2000 Denier 6 per inch	Polyester white 500 Denier 5 per inch	22° 1000 denier black polyester with warp insert	12000	1 mil 23 micron	4.8	205	1372	54

### RDL Application chart

RDL 150 - Suitable for small dinghies where light weight cloth is important.

RDL 175 - Dinghies up to 15 feet and as an all-round cloth where more durability is required.

RDL 205 - Use for larger dinghies, training schools, and club fleets as well as small keelboats and extreme land-sailors.

Style		RDL150	RDL175	RDL205
Weight	gsm	150	182	214
	SM oz	3.50	4.25	5.00
Stretch @ 10 lbs	Warp	0.03	0.03	0.01
	Weft	0.05	0.06	0.05
	Bias	0.04	0.06	0.06
Load @ 1% (lbf)	Warp	41.86	61.00	75.09
	Weft	24.20	29.41	33.41
	Bias	21.82	28.75	27.15

