

Radial Laminate Sails

Multi - Film Cruise Laminate (MCL)



The MCL range of Taffeta-on-Taffeta Polyester laminates is suitable for cruising applications up to 45 feet. MCL utilises two films and is laminated as a membrane. The range uses a High Tenacity Polyester scrim which virtually eliminates warp crimp and resists stretch. The film and scrim is encapsulated in tough polyester using the same taffeta cover as we use on MXL strung sails to provide tear strength and impact resistance.

The Taffeta exterior cover is available as standard in white and in grey to special order. The Taffeta cover is laminated with an Anti Fungicide for the prevention of mildew and mould growth that can occur with this type of Sailcloth. We use a special formula of laminating adhesive to produce a soft hand further reducing fiber breakdown, extending longevity and making sails easier to use and handle.

We have been building MCL in house for several years with thousands of sails now out on the water. Incremental improvements made during this time make MCL an outstanding Radial Cruise Sailcloth offered at a highly competitive price.

MCL Specifications

Cloth Code	Cover Polyester Taffeta	Film	Scrim 0° / 90°		Film	Cover Polyester Taffeta	Laminate Weight and Width		
			Warp	Fill			SM Ounces	Grams/ m ²	mm / Inches
MCL 300	1.75 oz 75 gm ²	1 mil 23 micron	1000 denier high density polyester	500 denier ultra low stretch polyester	1 mil 23 micron	1.75 oz 75 gm ²	7.4	317	1400 / 55"
MCL 350	1.75 oz 75 gm ²	1 mil 23 micron	2000 denier high density polyester	500 denier ultra low stretch polyester	1 mil 23 micron	1.75 oz 75 gm ²	8.3	354	1400 / 55"
MCL 400	1.75 oz 75 gm ²	1 mil 23 micron	3000 denier high density polyester	500 denier ultra low stretch polyester	1 mil 23 micron	1.75 oz 75 gm ²	9.1	391	1400 / 55"

Application Chart

Boat Length		Mainsail	Furling Genoa	Headsail		
Feet	Meters			# 1	# 2	# 3
20 - 25	6.0 - 7.5	300	300	300	300	300
25 - 30	7.5 - 9.0	300	300	300	300	350
30 - 35	9.0 - 10.5	350	350	300	350	350
35 - 40	10.5 - 12	350	350	300	350	400
40 - 45	12.0 - 16	400	400	350	350	400



Test Data

Style		MCL 250	MCL 300	MCL 350	MCL 400
Weight	G/m ²	240	330	373	413
	SM Ounces	5.6	7.71	8.71	9.65
Stretch @ 10 Lbs	Warp	0.03	0.02	0.02	0.02
	Weft	0.04	0.02	0.01	0.04
	Bias	0.07	0.06	0.04	0.05
Load @ 1% (lbf)	Warp	60.95	86.55	91.83	112.62
	Weft	35.16	53.34	50.59	50.04
	Bias	19.65	29.59	41.57	31.04

