Radial Laminate Sails

Radial Pentex Laminates (RPL)

Our Radial Pentex Laminates (RPL) is a film on film laminate with Pentex warp fibres. Polyester is used in the weft giving a combination of a virtually zero crimp Pentex warp with a softer Polyester fill to prolong competitive use. A 45° black Polyester scrim reduces the film loading and stabilises the bias.

This laminate cloth is ideal for small keelboat and sport boats - applications that demand more strength than standard Polyester and one-design classes where high modulus fibres are not allowed.

RPL Specifications

Code	Film	Warp	Fill	45° Dacron X Scrim	Warp DPI	Film	Cloth Weight		Cloth Width	
							SM Ounces	Grams/ m²	MMs	Inches
RPL - 160	½ mil 12 micron	Pentex 1500 Denier 4 per inch	Polyester 500 Denier 5 per inch	Polyester 840 Denier 2 x 2 per inch	6000	½ mil 12 micron	3.9	160	1372	54
RPL - 180	½ mil 12 micron	Pentex 1500 Denier 6 per inch	Polyester 500 Denier 5 per inch	Polyester 840 Denier 2 x 2 per inch	9000	½ mil 12 micron	4.3	180	1372	54
RPL - 230	1 mil 23 micron	Pentex 1300 Denier 10 per inch	Polyester 500 Denier 5 per inch	Polyester 840 Denier 2 x 2 per inch	12960	1 mil 23 micron	5.4	230	1372	54
RPL - 265	1 mil 23 micron	Pentex 3000 Denier 6 per inch	Polyester 500 Denier 5 per inch	Polyester 840 Denier 2 x 2 per inch	18000	1 mil 23 micron	6.2	265	1372	54

RPL Application Chart

Boat Length		Mainsail	Furling Genoa	Headsails			
Feet	Meters			# 1 Light	# 1 Medium - Heavy	# 2	# 3
20 - 25	6.0 - 7.5	180	180	160	160	160	180
25 - 30	7.5 - 9.0	180	180	160	180	180	230
30 - 35	9.0 - 10.5	265	230	180	230	230	230
35 - 40	10.5 - 12	265	265	230	230	230	265
40 - 45	12 - 14	265	265	230	265	265	265

Conversion Chart from Bainbridge
Diax LSP to PRL Codes

Bainbridge Code	RPL -Code
Diax 60 LSP	RPL - 160
Diax 90 LSP	RPL - 180
Diax 130 LSP	RPL - 230
Diax 180 LSP	RPL - 265