



C-LT 1800

Fiber Type: Carbon
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.035 in. / 0.89 mm
 Total Weight: 18.58 oz/sq.yd / 630 g/sq.m

VECTORULTRA™



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	9.29 oz/sq.yd / 315 g/sq.m
50 in / 1270 mm	113 lb / 51 kg	69 yd / 63 m	45 ° :	n/a
			90 ° :	9.29 oz/sq.yd / 315 g/sq.m
			- 45 ° :	n/a
			Chopped Mat :	n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight (lb/sq.ft)	C-LT 1800 Resin Infused	C-LT 1800 Open Mold
Fiber	0.13	0.13
Resin	0.07	0.16
Total	0.20	0.29

Physical Properties

	C-LT 1800 Resin Infused	C-LT 1800 Open Mold
Density (g/cc)	1.53	1.41
Fiber Content (% by Wt.)	65%	45%
Thickness (in)	0.025	0.039

Laminate Moduli		
(MSI)	C-LT 1800 Resin Infused	C-LT 1800 Open Mold
Ex	9.10	6.06
Ey	9.10	6.06
Gxy	0.37	0.25
Ex,flex.	8.65	5.75
Ey,flex.	8.65	5.75

Ultimate Stress		
(KSI)	C-LT 1800 Resin Infused	C-LT 1800 Open Mold
Long. Ten.	100	67
Long. Comp.	71	47
Trans. Ten.	100	67
Trans. Comp.	71	47
In-Plane Shear	7	5
Long. Flex.	67	44
Trans. Flex.	67	44

In-Plane Stiffness, "EA"		
10 ^{^3} lb/in	C-LT 1800 Resin Infused	C-LT 1800 Open Mold
(EA)x	228	237
(EA)y	228	237
(GA)xy	9	10

Ultimate In-Plane Load		
lb/in	C-LT 1800 Resin Infused	C-LT 1800 Open Mold
Long. Ten.	2,509	2,608
Long. Comp.	1,780	1,850
Trans. Ten.	2,509	2,608
Trans. Comp.	1,780	1,850
In-Plane Shear	186	192

Notes:

- 1: Resin infused laminate made with vinyl ester resin 200 cps viscosity @ 77° F.
- 2: Open mold laminate made with polyester resin.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



3500 Lakewood Dr. Phenix City, AL 36867 tel. 334 291 7704 fax. 334 291 7743

Disclaimer:

As a service to customers, Vectorply Corporation ("VP") may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by VP in combination with other materials or systems.

VP makes no warranty whatsoever as to the accuracy of any such predicted physical performance, and customer acknowledges that customer is solely responsible for determining the performance and fitness for a particular use of any product produced by customer utilizing a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.