



C-BX 1800

Fiber Type: Carbon
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.035 in. / 0.89 mm
 Total Weight: 17.11 oz/sq.yd / 580 g/sq.m

VECTORULTRA™



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 113 lb / 51 kg
 Roll Length: 75 yd / 69 m

Fiber Architecture Data

0 ° : n/a
 45 ° : 8.56 oz/sq.yd / 290 g/sq.m
 90 ° : n/a
 - 45 ° : 8.56 oz/sq.yd / 290 g/sq.m
 Chopped Mat : n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

45 °

45 °

Laminate Weight

(lb/sq.ft)	C-BX 1800 Resin Infused	C-BX 1800 Open Mold
Fiber	0.12	0.12
Resin	0.06	0.15
Total	0.18	0.26

Physical Properties

	C-BX 1800 Resin Infused	C-BX 1800 Open Mold
Density (g/cc)	1.53	1.41
Fiber Content (% by Wt.)	65%	45%
Thickness (in)	0.023	0.036

Laminate Moduli		
(MSI)	C-BX 1800 Resin Infused	C-BX 1800 Open Mold
Ex	8.53	5.69
Ey	8.53	5.69
Gxy	0.37	0.25
Ex,flex.	8.10	5.40
Ey,flex.	8.10	5.40

Ultimate Stress		
(KSI)	C-BX 1800 Resin Infused	C-BX 1800 Open Mold
Long. Ten.	81	54
Long. Comp.	74	50
Trans. Ten.	81	54
Trans. Comp.	74	50
In-Plane Shear	7	5
Long. Flex.	83	55
Trans. Flex.	83	55

In-Plane Stiffness, "EA"		
10 ^{^3} lb/in	C-BX 1800 Resin Infused	C-BX 1800 Open Mold
(EA)x	196	205
(EA)y	196	205
(GA)xy	9	9

Ultimate In-Plane Load		
lb/in	C-BX 1800 Resin Infused	C-BX 1800 Open Mold
Long. Ten.	1,856	1,935
Long. Comp.	1,715	1,788
Trans. Ten.	1,856	1,935
Trans. Comp.	1,715	1,788
In-Plane Shear	172	177

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.