



## C-BX 0900

Fiber Type: Carbon  
 Architecture: 45/-45 Double Bias  
 Dry Thickness: 0.018 in. / 0.46 mm  
 Total Weight: 8.92 oz/sq.yd / 303 g/sq.m

**VECTORULTRA**<sup>™</sup>  
 ADVANCED COMPOSITE REINFORCEMENTS

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 88 lb / 40 kg	Roll Length: 113 yd / 103 m	0 ° :	n/a
			45 ° :	4.46 oz/sq.yd / 151 g/sq.m
			90 ° :	n/a
			-45 ° :	4.46 oz/sq.yd / 151 g/sq.m
			Chopped Mat :	n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

45 °

45 °

Laminated Properties		
Laminate Weight (lb/sq.ft)	C-BX 0900 Resin Infused	C-BX 0900 Open Mold
Fiber	0.06	0.06
Resin	0.03	0.08
Total	0.10	0.14

  

Physical Properties		
	C-BX 0900 Resin Infused	C-BX 0900 Open Mold
Density (g/cc)	1.53	1.41
Fiber Content (% by Wt.)	64%	45%
Thickness (in)	0.012	0.019

Laminate Modulii		
(MSI)	C-BX 0900 Resin Infused	C-BX 0900 Open Mold
Ex	8.40	5.69
Ey	8.40	5.69
Gxy	0.59	0.42
Ex,flex.	7.98	5.41
Ey,flex.	7.98	5.41

Ultimate Stress		
(KSI)	C-BX 0900 Resin Infused	C-BX 0900 Open Mold
Long. Ten.	79	54
Long. Comp.	73	50
Trans. Ten.	79	54
Trans. Comp.	73	50
In-Plane Shear	12	8
Long. Flex.	78	53
Trans. Flex.	78	53

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	C-BX 0900 Resin Infused	C-BX 0900 Open Mold
(EA)x	103	107
(EA)y	103	107
(GA)xy	7	8

Ultimate In-Plane Load		
lb/in	C-BX 0900 Resin Infused	C-BX 0900 Open Mold
Long. Ten.	969	1,009
Long. Comp.	895	932
Trans. Ten.	969	1,009
Trans. Comp.	895	932
In-Plane Shear	145	158

**Notes:**

- 1: Resin infused laminate made with a poly / vinyl ester resin blend.
- 2: Open mold laminate made with a poly / vinyl ester resin blend.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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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.