



C-BX 0600

Fiber Type: Carbon
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.012 in. / 0.30 mm
 Total Weight: 5.84 oz/sq.yd / 198 g/sq.m

VECTORULTRA™



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	88 lb / 40 kg	171 yd / 156 m	45 ° :	2.92 oz/sq.yd / 99 g/sq.m
			90 ° :	n/a
			- 45 ° :	2.92 oz/sq.yd / 99 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 0600 Resin Infused	C-BX 0600 Open Mold
Fiber	0.04	0.04
Resin	0.02	0.05
Total	0.06	0.09

Physical Properties		
	C-BX 0600 Resin Infused	C-BX 0600 Open Mold
Density (g/cc)	1.53	1.41
Fiber Content (% by Wt.)	65%	45%
Thickness (in)	0.008	0.012

Laminate Moduli		
(MSI)	C-BX 0600 Resin Infused	C-BX 0600 Open Mold
Ex	8.52	5.69
Ey	8.52	5.69
Gxy	0.37	0.25
Ex,flex.	8.09	5.40
Ey,flex.	8.09	5.40

Ultimate Stress		
(KSI)	C-BX 0600 Resin Infused	C-BX 0600 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 0600 Resin Infused	C-BX 0600 Open Mold
(EA)x	67	70
(EA)y	67	70
(GA)xy	3	3

Ultimate In-Plane Load		
lb/in	C-BX 0600 Resin Infused	C-BX 0600 Open Mold
Long. Ten.	634	660
Long. Comp.	586	610
Trans. Ten.	634	660
Trans. Comp.	586	610
In-Plane Shear	59	60

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.



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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.