



## KE-BX 1200

Fiber Type: Aramid/E-Glass  
 Architecture: +45°/-45° Double Bias  
 Dry Thickness: 0.022 in. / 0.56 mm  
 Total Weight: 12.08 oz/sq.yd / 410 g/sq.m

**VECTORULTRA™**



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 185 lb / 84 kg  
 Roll Length: 174 yd / 159 m

### Fiber Architecture Data

0 ° : n/a  
 45 ° : 6.04 oz/sq.yd / 205 g/sq.m  
 90 ° : n/a  
 - 45 ° : 6.04 oz/sq.yd / 205 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)	KE-BX 1200 Resin Infused	KE-BX 1200 Open Mold
Fiber	0.08	0.08
Resin	0.04	0.09
Total	0.12	0.17

#### Physical Properties

	KE-BX 1200 Resin Infused	KE-BX 1200 Open Mold
Density (g/cc)	1.66	1.48
Fiber Content (% by Wt.)	70%	48%
Thickness (in)	0.014	0.023

Laminate Moduli		
(MSI)	KE-BX 1200 Resin Infused	KE-BX 1200 Open Mold
Ex	5.10	3.31
Ey	5.10	3.31
Gxy	0.40	0.25
Ex,flex.	4.80	3.11
Ey,flex.	4.80	3.11

Ultimate Stress		
(KSI)	KE-BX 1200 Resin Infused	KE-BX 1200 Open Mold
Long. Ten.	80	52
Long. Comp.	60	39
Trans. Ten.	80	52
Trans. Comp.	60	39
In-Plane Shear	8	5
Long. Flex.	98	64
Trans. Flex.	98	64

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	KE-BX 1200 Resin Infused	KE-BX 1200 Open Mold
(EA)x	71	75
(EA)y	71	75
(GA)xy	6	6

Ultimate In-Plane Load		
lb/in	KE-BX 1200 Resin Infused	KE-BX 1200 Open Mold
Long. Ten.	1,109	1,178
Long. Comp.	832	884
Trans. Ten.	1,109	1,178
Trans. Comp.	832	884
In-Plane Shear	111	115

**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.