



KE-BX 1700

Fiber Type: Aramid/E-Glass
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.024 in. / 0.61 mm
 Total Weight: 16.72 oz/sq.yd / 567 g/sq.m

VECTORULTRA™



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 185 lb / 84 kg
 Roll Length: 122 yd / 112 m

Fiber Architecture Data

0 ° : n/a
 45 ° : 8.36 oz/sq.yd / 283 g/sq.m
 90 ° : n/a
 - 45 ° : 8.36 oz/sq.yd / 283 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 1700 Resin Infused	KE-BX 1700 Open Mold
Fiber	0.12	0.12
Resin	0.05	0.13
Total	0.17	0.24

Physical Properties

	KE-BX 1700 Resin Infused	KE-BX 1700 Open Mold
Density (g/cc)	1.66	1.48
Fiber Content (% by Wt.)	70%	48%
Thickness (in)	0.019	0.031

Laminate Moduli		
(MSI)	KE-BX 1700 Resin Infused	KE-BX 1700 Open Mold
Ex	4.69	3.05
Ey	4.69	3.05
Gxy	0.37	0.24
Ex,flex.	4.41	2.87
Ey,flex.	4.41	2.87

Ultimate Stress		
(KSI)	KE-BX 1700 Resin Infused	KE-BX 1700 Open Mold
Long. Ten.	79	51
Long. Comp.	62	40
Trans. Ten.	79	51
Trans. Comp.	62	40
In-Plane Shear	7	5
Long. Flex.	102	67
Trans. Flex.	102	67

In-Plane Stiffness, "EA"		
10 ³ lb/in	KE-BX 1700 Resin Infused	KE-BX 1700 Open Mold
(EA)x	90	96
(EA)y	90	96
(GA)xy	7	7

Ultimate In-Plane Load		
lb/in	KE-BX 1700 Resin Infused	KE-BX 1700 Open Mold
Long. Ten.	1,506	1,607
Long. Comp.	1,188	1,268
Trans. Ten.	1,506	1,607
Trans. Comp.	1,188	1,268
In-Plane Shear	140	148

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.