



KE-BXM 1208

Fiber Type: Aramid/E-Glass
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.034 in. / 0.86 mm
 Total Weight: 20.18 oz/sq.yd / 684 g/sq.m

VECTORULTRA™



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	185 lb / 84 kg	102 yd / 93 m	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 :	8.10 oz/sq.yd / 275 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

45 °

45 °

Laminate Weight (lb/sq.ft)	KE-BXM 1208 Resin Infused	KE-BXM 1208 Open Mold
Fiber	0.14	0.14
Resin	0.07	0.20
Total	0.21	0.34

Physical Properties

	KE-BXM 1208 Resin Infused	KE-BXM 1208 Open Mold
Density (g/cc)	1.72	1.48
Fiber Content (% by Wt.)	68%	42%
Thickness (in)	0.023	0.044

Laminate Moduli		
(MSI)	KE-BXM 1208 Resin Infused	KE-BXM 1208 Open Mold
Ex	3.81	2.22
Ey	3.81	2.22
Gxy	0.57	0.31
Ex,flex.	3.53	2.05
Ey,flex.	3.53	2.05

Ultimate Stress		
(KSI)	KE-BXM 1208 Resin Infused	KE-BXM 1208 Open Mold
Long. Ten.	60	35
Long. Comp.	45	26
Trans. Ten.	60	35
Trans. Comp.	45	26
In-Plane Shear	14	10
Long. Flex.	73	43
Trans. Flex.	73	43

In-Plane Stiffness, "EA"		
10 ³ lb/in	KE-BXM 1208 Resin Infused	KE-BXM 1208 Open Mold
(EA)x	88	97
(EA)y	88	97
(GA)xy	13	14

Ultimate In-Plane Load		
lb/in	KE-BXM 1208 Resin Infused	KE-BXM 1208 Open Mold
Long. Ten.	1,380	1,522
Long. Comp.	1,035	1,142
Trans. Ten.	1,380	1,522
Trans. Comp.	1,035	1,142
In-Plane Shear	322	449

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.