



KE-BXM 1708

Fiber Type: Aramid / E-Glass
 Architecture: 45/-45 Double Bias
 Dry Thickness: 0.045 in. / 1.14 mm
 Total Weight: 24.82 oz/sq.yd / 842 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	83 yd / 76 m	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 :	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 1708 Resin Infused	KE-BXM 1708 Open Mold
Fiber	0.17	0.17
Resin	0.08	0.24
Total	0.26	0.41

Physical Properties	KE-BXM 1708 Resin Infused	KE-BXM 1708 Open Mold
Density (g/cc)	1.76	1.50
Fiber Content (% by Wt.)	68%	42%
Thickness (in)	0.028	0.052

Laminate Modulus		
(MSI)	KE-BXM 1708 Resin Infused	KE-BXM 1708 Open Mold
Ex	3.63	2.18
Ey	3.63	2.18
Gxy	0.62	0.41
Ex,flex.	3.45	2.07
Ey,flex.	3.45	2.07

Ultimate Stress		
(KSI)	KE-BXM 1708 Resin Infused	KE-BXM 1708 Open Mold
Long. Ten.	60	36
Long. Comp.	48	29
Trans. Ten.	60	36
Trans. Comp.	48	29
In-Plane Shear	14	9
Long. Flex.	75	45
Trans. Flex.	75	45

In-Plane Stiffness, "EA"		
10 ³ lb/in	KE-BXM 1708 Resin Infused	KE-BXM 1708 Open Mold
(EA)x	101	114
(EA)y	101	114
(GA)xy	17	21

Ultimate In-Plane Load		
lb/in	KE-BXM 1708 Resin Infused	KE-BXM 1708 Open Mold
Long. Ten.	1,657	1,867
Long. Comp.	1,337	1,506
Trans. Ten.	1,657	1,867
Trans. Comp.	1,337	1,506
In-Plane Shear	393	489

Notes:

- 1: Resin infused laminate made with a poly / vinyl ester resin blend.
- 2: Open mold laminate made with 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.