



KE-BXM 1708

Fiber Type: Aramid/E-Glass
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.045 in. / 1.143 mm
 Total Weight: 24.82 oz/sq.yd / 841.5 g/sq.m



VECTORULTRA™

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 184 lb / 84 kg
 Roll Length: 83 yd / 76 m

Fiber Architecture Data

Glass 45 ° : 4.30 oz/sq.yd / 145.8 g/sq.m
 Aramid 45 ° : 4.06 oz/sq.yd / 137.7 g/sq.m
 Aramid -45 ° : 4.06 oz/sq.yd / 137.7 g/sq.m
 Glass -45 ° : 4.30 oz/sq.yd / 145.8 g/sq.m
 Chopped Mat: 8.10 oz/sq.yd / 274.6 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	Open Mold
Fiber	0.17	0.17
Resin	0.08	0.23
Total	0.25	0.40

Physical Properties

	KE-BXM 1708	
	Resin Infused	Open Mold
Density (g/cc)	1.71	1.48
Fiber Content (% by Wt.)	68%	43%
Thickness (in)	0.029	0.052

Laminate Moduli		
(MSI)	KE-BXM 1708	KE-BXM 1708
	Resin Infused	Open Mold
Ex	3.73	2.26
Ey	3.73	2.26
Gxy	0.50	0.29
Ex,flex.	3.46	2.09
Ey,flex.	3.46	2.09

Ultimate Stress		
(KSI)	KE-BXM 1708	KE-BXM 1708
	Resin Infused	Open Mold
Long. Ten.	61	37
Long. Comp.	49	30
Trans. Ten.	61	37
Trans. Comp.	49	30
In-Plane Shear	12	10
Long. Flex.	81	49
Trans. Flex.	81	49

In-Plane Stiffness, "EA"		
10 ³ lb/in	KE-BXM 1708	KE-BXM 1708
	Resin Infused	Open Mold
(EA)x	107	117
(EA)y	107	117
(GA)xy	14	15

Ultimate In-Plane Load		
lb/in	KE-BXM 1708	KE-BXM 1708
	Resin Infused	Open Mold
Long. Ten.	1,751	1,920
Long. Comp.	1,413	1,549
Trans. Ten.	1,751	1,920
Trans. Comp.	1,413	1,549
In-Plane Shear	353	497

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.