



94B VPLY

Fiber Type: E-Glass
 Architecture: 0/90 Biaxial
 Dry Thickness: 0.031 in. / 0.79 mm
 Total Weight: 26.88 oz/sq.yd / 911 g/sq.m

VECTOR *WIND*

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	12.80 oz/sq.yd / 434 g/sq.m
50 in / 1270 mm	173 lb / 79 kg	72 yd / 66 m	45 ° :	n/a
			90 ° :	14.08 oz/sq.yd / 477 g/sq.m
			-45 ° :	n/a
			Chopped Mat :	n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight		
(lb/sq.ft)	94B VPLY Resin Infused	94B VPLY Open Mold
Fiber	0.19	0.19
Resin	0.08	0.15
Total	0.27	0.34

Physical Properties		
	94B VPLY Resin Infused	94B VPLY Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.027	0.039

Laminate Modulii		
(MSI)	94B VPLY Resin Infused	94B VPLY Open Mold
Ex	3.82	2.76
Ey	4.00	2.89
Gxy	0.66	0.47
Ex,flex.	3.63	2.62
Ey,flex.	3.80	2.74

Ultimate Stress		
(KSI)	94B VPLY Resin Infused	94B VPLY Open Mold
Long. Ten.	72	52
Long. Comp.	72	52
Trans. Ten.	76	55
Trans. Comp.	76	55
In-Plane Shear	13	9
Long. Flex.	86	62
Trans. Flex.	90	65

In-Plane Stiffness, "EA"		
10 ³ lb/in	94B VPLY Resin Infused	94B VPLY Open Mold
(EA)x	103	106
(EA)y	108	111
(GA)xy	18	18

Ultimate In-Plane Load		
lb/in	94B VPLY Resin Infused	94B VPLY Open Mold
Long. Ten.	1,951	2,015
Long. Comp.	1,951	2,015
Trans. Ten.	2,039	2,110
Trans. Comp.	2,039	2,110
In-Plane Shear	354	363

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.