



## 115B VPLY

Fiber Type: E-Glass  
 Architecture: 45/-45 Double Bias  
 Dry Thickness: 0.034 in. / 0.86 mm  
 Total Weight: 33.46 oz/sq.yd / 1135 g/sq.m

**VECTOR** *WIND*

### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 224 lb / 102 kg  
 Roll Length: 76 yd / 69 m

### Fiber Architecture Data

0 ° : n/a  
 45 ° : 16.73 oz/sq.yd / 567 g/sq.m  
 90 ° : n/a  
 -45 ° : 16.73 oz/sq.yd / 567 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)	115B VPLY Resin Infused	115B VPLY Open Mold
Fiber	0.23	0.23
Resin	0.10	0.19
Total	0.33	0.42

#### Physical Properties

	115B VPLY Resin Infused	115B VPLY Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.034	0.048

Laminate Modulii		
(MSI)	115B VPLY Resin Infused	115B VPLY Open Mold
Ex	3.91	2.82
Ey	3.91	2.82
Gxy	0.93	0.64
Ex,flex.	3.71	2.68
Ey,flex.	3.71	2.68

Ultimate Stress		
(KSI)	115B VPLY Resin Infused	115B VPLY Open Mold
Long. Ten.	74	53
Long. Comp.	74	53
Trans. Ten.	74	53
Trans. Comp.	74	53
In-Plane Shear	19	13
Long. Flex.	88	64
Trans. Flex.	88	64

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	115B VPLY Resin Infused	115B VPLY Open Mold
(EA)x	131	136
(EA)y	131	136
(GA)xy	31	31

Ultimate In-Plane Load		
lb/in	115B VPLY Resin Infused	115B VPLY Open Mold
Long. Ten.	2,483	2,568
Long. Comp.	2,483	2,568
Trans. Ten.	2,483	2,568
Trans. Comp.	2,483	2,568
In-Plane Shear	627	612

**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.