



116TZ VPLY

Fiber Type: E-Glass
 Architecture: 0/45/-45 Warp Triaxial
 Dry Thickness: 0.042 in. / 1.07 mm
 Total Weight: 34.30 oz/sq.yd / 1163 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	226 lb / 103 kg	74 yd / 68 m	45 ° :	10.75 oz/sq.yd / 364 g/sq.m
			90 ° :	n/a
			-45 ° :	10.75 oz/sq.yd / 364 g/sq.m
			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)	116TZ VPLY Resin Infused	116TZ VPLY Open Mold
Fiber	0.24	0.24
Resin	0.10	0.19
Total	0.34	0.43

Physical Properties		
	116TZ VPLY Resin Infused	116TZ VPLY Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.034	0.049

Laminate Modulii		
(MSI)	116TZ VPLY Resin Infused	116TZ VPLY Open Mold
Ex	3.61	2.60
Ey	2.23	1.59
Gxy	1.35	0.97
Ex,flex.	3.43	2.47
Ey,flex.	2.12	1.51

Ultimate Stress		
(KSI)	116TZ VPLY Resin Infused	116TZ VPLY Open Mold
Long. Ten.	68	49
Long. Comp.	68	49
Trans. Ten.	22	16
Trans. Comp.	22	16
In-Plane Shear	26	18
Long. Flex.	82	59
Trans. Flex.	21	15

In-Plane Stiffness, "EA"		
10 ³ lb/in	116TZ VPLY Resin Infused	116TZ VPLY Open Mold
(EA)x	124	128
(EA)y	77	78
(GA)xy	46	48

Ultimate In-Plane Load		
lb/in	116TZ VPLY Resin Infused	116TZ VPLY Open Mold
Long. Ten.	2,349	2,422
Long. Comp.	2,349	2,422
Trans. Ten.	767	783
Trans. Comp.	767	783
In-Plane Shear	879	903

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.