



E-TLYA 3612

Fiber Type: E-Glass
 Architecture: 0/60/-60 Warp Triaxial
 Dry Thickness: 0.049 in. / 1.24 mm
 Total Weight: 37.64 oz/sq.yd / 1276 g/sq.m

VECTORFUSION
INFUSION-SPECIFIC REINFORCEMENTS

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 201 lb / 91 kg
 Roll Length: 60 yd / 55 m

Fiber Architecture Data

0 ° : 12.80 oz/sq.yd / 434 g/sq.m
 60 ° : 11.82 oz/sq.yd / 401 g/sq.m
 90 ° : n/a
 -60 ° : 11.82 oz/sq.yd / 401 g/sq.m
 A-Glass Veil : 1.20 oz/sq.yd / 41 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight (lb/sq.ft)

	E-TLYA 3612 Resin Infused
Fiber	0.26
Resin	0.11
Total	0.37

In-Plane Stiffness, "EA"

10³ lb/in

E-TLYA 3612
Resin Infused

(EA) _x	118
(EA) _y	114
(GA) _{xy}	44

Physical Properties	
	E-TLYA 3612 Resin Infused
Density (g/cc)	1.87
Fiber Content (% by Wt.)	70%
Thickness (in)	0.038

Ultimate Stress (KSI)	
	E-TLYA 3612 Resin Infused
Long. Ten.	58
Long. Comp.	58
Trans. Ten.	30
Trans. Comp.	30
In-Plane Shear	23
Long. Flex.	58
Trans. Flex.	28

Notes:

1: Laminate made with poly / vinyl ester resin blend.

Ultimate In-Plane Load lb/in	
	E-TLYA 3612 Resin Infused
Long. Ten.	2,225
Long. Comp.	2,225
Trans. Ten.	1,142
Trans. Comp.	1,142
In-Plane Shear	870

Laminate Moduli (MSI)	
	E-TLYA 3612 Resin Infused
Ex	3.06
Ey	2.97
Gxy	1.13
Ex,flex.	2.90
Ey,flex.	2.82



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Disclaimer:

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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 utilising a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.