



E-TLYA 2712

Fiber Type: E-Glass
 Architecture: 0/60/-60 Warp Triaxial
 Dry Thickness: 0.041 in. / 1.04 mm
 Total Weight: 27.30 oz/sq.yd / 926 g/sq.m

VECTORFUSION[™]
 INFUSION-SPECIFIC REINFORCEMENTS

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 220 lb / 100 kg
 Roll Length: 90 yd / 82 m

Fiber Architecture Data

0 ° : 6.40 oz/sq.yd / 217 g/sq.m
 60 ° : 9.85 oz/sq.yd / 334 g/sq.m
 90 ° : n/a
 -60 ° : 9.85 oz/sq.yd / 334 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

	E-TLYA 2712 Resin Infused	
Fiber	0.19 lb/sq.ft	0.93 kg/sq.m
Resin	0.08 lb/sq.ft	0.40 kg/sq.m
Total	0.27 lb/sq.ft	1.33 kg/sq.m

In-Plane Stiffness, "EA"

	E-TLYA 2712 Resin Infused	
(EA)x	73,710 lb/in	12,908 N/mm
(EA)y	85,079 lb/in	14,899 N/mm
(GA)xy	33,523 lb/in	5,871 N/mm

Physical Properties

	E-TLYA 2712 Resin Infused	
Density	1.08 oz/cu.in	1.86 g/cc
Fiber Content	70% by Wt.	53% by Vol.
Thickness	0.028 in	0.7 mm

Ultimate Stress

	E-TLYA 2712 Resin Infused	
Long. Ten.	49.6 KSI	342.3 MPa
Long. Comp.	49.6 KSI	342.3 MPa
Trans. Ten.	30.3 KSI	208.7 MPa
Trans. Comp.	30.3 KSI	208.7 MPa
In-Plane Shear	23.9 KSI	164.5 MPa
Long. Flex.	49.8 KSI	343.5 MPa
Trans. Flex.	28.8 KSI	198.2 MPa

Notes:

- 1: Laminate made with poly / vinyl ester resin blend.
- 2: All properties are given assuming a symmetric or quasisymmetric laminate schedule.

Ultimate In-Plane Load

	E-TLYA 2712 Resin Infused	
Long. Ten.	1,395 lb/in	244 N/mm
Long. Comp.	1,395 lb/in	244 N/mm
Trans. Ten.	851 lb/in	149 N/mm
Trans. Comp.	851 lb/in	149 N/mm
In-Plane Shear	670 lb/in	117 N/mm

Laminate Modulii

	E-TLYA 2712 Resin Infused	
Ex	2.62 MSI	18.08 GPa
Ey	3.03 MSI	20.87 GPa
Gxy	1.19 MSI	8.22 GPa
Ex,flex.	2.49 MSI	17.18 GPa
Ey,flex.	2.88 MSI	19.82 GPa



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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.