



E-LTi 1800

Fiber Type: E-Glass
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.032 in. / 0.81 mm
 Total Weight: 18.21 oz/sq.yd / 617 g/sq.m

VECTORFUSION
INFUSION-SPECIFIC REINFORCEMENTS

Roll Specifications

Roll Width: 60 in / 1524 mm
 Roll Weight: 117 lb / 53 kg
 Roll Length: 60 yd / 55 m

Fiber Architecture Data

0 ° : 9.25 oz/sq.yd / 314 g/sq.m
 45 ° : n/a
 90 ° : 8.96 oz/sq.yd / 304 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)	E-LTi 1800 Resin Infused
Fiber	0.13
Resin	0.09
Total	0.21

In-Plane Stiffness, "EA"

10 ³ lb/in	E-LTi 1800 Resin Infused
(EA)x	73
(EA)y	72
(GA)xy	7

Physical Properties	
	E-LTi 1800 Resin Infused
Density (g/cc)	1.75
Fiber Content (% by Wt.)	59%
Thickness (in)	0.023

Ultimate Stress (KSI)	
	E-LTi 1800 Resin Infused
Long. Ten.	59
Long. Comp.	59
Trans. Ten.	58
Trans. Comp.	58
In-Plane Shear	7
Long. Flex.	75
Trans. Flex.	73

Notes:

1: Laminate made with vinyl ester resin 200 cps viscosity @ 77° F.

Ultimate In-Plane Load lb/in	
	E-LTi 1800 Resin Infused
Long. Ten.	1,386
Long. Comp.	1,386
Trans. Ten.	1,365
Trans. Comp.	1,365
In-Plane Shear	172

Laminate Moduli (MSI)	
	E-LTi 1800 Resin Infused
Ex	3.13
Ey	3.09
Gxy	0.29
Ex,flex.	2.93
Ey,flex.	2.88



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Disclaimer:

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