



## C-LTi 1105

Fiber Type: Carbon  
 Architecture: 0/90 Biaxial  
 Dry Thickness: 0.023 in. / 0.58 mm  
 Total Weight: 11.64 oz/sq.yd / 395 g/sq.m

**VECTORFUSION™**  
 INFUSION-SPECIFIC REINFORCEMENTS

### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 117 lb / 53 kg  
 Roll Length: 115 yd / 105 m

### Fiber Architecture Data

0 ° : 5.57 oz/sq.yd / 189 g/sq.m  
 45 ° : n/a  
 90 ° : 5.57 oz/sq.yd / 189 g/sq.m  
 -45 ° : n/a  
 Micro Mesh : 0.50 oz/sq.yd / 17 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

#### Laminate Weight

(lb/sq.ft)

C-LTi 1105  
Resin Infused

Fiber	0.08
Resin	0.05
Total	0.13

#### In-Plane Stiffness, "EA"

10<sup>3</sup> lb/in

C-LTi 1105  
Resin Infused

(EA)x	138
(EA)y	138
(GA)xy	9

Physical Properties	
	C-LTi 1105 Resin Infused
Density (g/cc))	1.54
Fiber Content (% by Wt.)	64%
Thickness (in)	0.016

Ultimate Stress	
(KSI)	C-LTi 1105 Resin Infused
Long. Ten.	96
Long. Comp.	68
Trans. Ten.	96
Trans. Comp.	68
In-Plane Shear	14
Long. Flex.	60
Trans. Flex.	60

**Notes:**

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

Ultimate In-Plane Load	
lb/in	C-LTi 1105 Resin Infused
Long. Ten.	1,518
Long. Comp.	1,077
Trans. Ten.	1,518
Trans. Comp.	1,077
In-Plane Shear	215

Laminate Moduli	
(MSI)	C-LTi 1105 Resin Infused
Ex	8.71
Ey	8.71
Gxy	0.60
Ex,flex.	8.27
Ey,flex.	8.27



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Disclaimer:

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