



## C-LTi 1105

Fiber Type: Carbon  
 Architecture: 0°/90° Biaxial  
 Dry Thickness: 0.022 in. / 0.56 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: 113 lb / 51 kg  
 Roll Length: 110 yd / 101 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  
 Micromesh : 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) <sub>x</sub>	138
(EA) <sub>y</sub>	138
(GA) <sub>xy</sub>	7

Physical Properties	
	C-LTi 1105 Resin Infused
Density (g/cc)	1.48
Fiber Content (% by Wt.)	61%
Thickness (in)	0.017

Ultimate Stress (KSI)	
	C-LTi 1105 Resin Infused
Long. Ten.	88
Long. Comp.	63
Trans. Ten.	88
Trans. Comp.	63
In-Plane Shear	8
Long. Flex.	59
Trans. Flex.	59

**Notes:**

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

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	131

Laminate Moduli (MSI)	
	C-LTi 1105 Resin Infused
Ex	8.03
Ey	8.03
Gxy	0.38
Ex,flex.	7.63
Ey,flex.	7.63



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Disclaimer:

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