



C-BXi 1205

Fiber Type: Carbon
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.025 in. / 0.64 mm
 Total Weight: 12.06 oz/sq.yd / 409 g/sq.m

VECTORFUSION
INFUSION-SPECIFIC REINFORCEMENTS

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 113 lb / 51 kg
 Roll Length: 105 yd / 96 m

Fiber Architecture Data

0 ° : n/a
 45 ° : 5.78 oz/sq.yd / 196 g/sq.m
 90 ° : n/a
 - 45 ° : 5.78 oz/sq.yd / 196 g/sq.m
 Micromesh : 0.50 oz/sq.yd / 17 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

45 °

45 °

Laminate Weight (lb/sq.ft)	
	C-BXi 1205 Resin Infused
Fiber	0.08
Resin	0.05
Total	0.14

In-Plane Stiffness, "EA" 10 ³ lb/in	
	C-BXi 1205 Resin Infused
(EA)x	134
(EA)y	134
(GA)xy	7

Physical Properties	
	C-BXi 1205 Resin Infused
Density (g/cc)	1.49
Fiber Content (% by Wt.)	62%
Thickness (in)	0.017

Ultimate Stress (KSI)	
	C-BXi 1205 Resin Infused
Long. Ten.	72
Long. Comp.	67
Trans. Ten.	72
Trans. Comp.	67
In-Plane Shear	8
Long. Flex.	75
Trans. Flex.	75

Notes:

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

Ultimate In-Plane Load lb/in	
	C-BXi 1205 Resin Infused
Long. Ten.	1,264
Long. Comp.	1,168
Trans. Ten.	1,264
Trans. Comp.	1,168
In-Plane Shear	135

Laminate Moduli (MSI)	
	C-BXi 1205 Resin Infused
Ex	7.65
Ey	7.65
Gxy	0.39
Ex,flex.	7.26
Ey,flex.	7.26



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Disclaimer:

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