



C-BXi 1205

Fiber Type: Carbon
 Architecture: 45/-45 Double Bias
 Dry Thickness: 0.025 in. / 0.64 mm
 Total Weight: 12.30 oz/sq.yd / 417 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 ° : 5.90 oz/sq.yd / 200 g/sq.m
 90 ° : n/a
 -45 ° : 5.90 oz/sq.yd / 200 g/sq.m
 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

45 °

45 °

Laminate Weight (lb/sq.ft)

	C-BXi 1205 Resin Infused
Fiber	0.09
Resin	0.05
Total	0.13

In-Plane Stiffness, "EA"

10 ³ lb/in	C-BXi 1205 Resin Infused
(EA) _x	137
(EA) _y	137
(GA) _{xy}	10

Physical Properties	
	C-BXi 1205 Resin Infused
Density (g/cc)	1.53
Fiber Content (% by Wt.)	64%
Thickness (in)	0.017

Ultimate Stress (KSI)	
	C-BXi 1205 Resin Infused
Long. Ten.	77
Long. Comp.	71
Trans. Ten.	77
Trans. Comp.	71
In-Plane Shear	14
Long. Flex.	76
Trans. Flex.	76

Notes:

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

Ultimate In-Plane Load lb/in	
	C-BXi 1205 Resin Infused
Long. Ten.	1,292
Long. Comp.	1,194
Trans. Ten.	1,292
Trans. Comp.	1,194
In-Plane Shear	228

Laminate Moduli (MSI)	
	C-BXi 1205 Resin Infused
Ex	8.17
Ey	8.17
Gxy	0.60
Ex,flex.	7.77
Ey,flex.	7.77



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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.