



C-LA 1312

Fiber Type: Carbon
 Architecture: 0° Unidirectional
 Dry Thickness: 0.019 in. / 0.471 mm
 Total Weight: 14.22 oz/sq.yd / 482.1 g/sq.m

VECTORULTRA™

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 141 lb / 64 kg
 Roll Length: 110 yd / 101 m

Fiber Architecture Data

0° : 13.02 oz/sq.yd / 441.5 g/sq.m
 45° : n/a
 90° : n/a
 - 45° : n/a
 A-Glass Veil : 1.20 oz/sq.yd / 40.7 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-LA 1312 Resin Infused	C-LA 1312 Open Mold
Fiber	0.10	0.10
Resin	0.05	0.12
Total	0.15	0.22

Physical Properties

	C-LA 1312 Resin Infused	C-LA 1312 Open Mold
Density (g/cc)	1.55	1.42
Fiber Content (% by Wt.)	65%	45%
Thickness (in)	0.019	0.030

Laminate Moduli		
(MSI)	C-LA 1312 Resin Infused	C-LA 1312 Open Mold
Ex	14.30	9.33
Ey	0.77	0.71
Gxy	0.42	0.27
Ex,flex.	13.51	8.80
Ey,flex.	0.73	0.67

Ultimate Stress		
(KSI)	C-LA 1312 Resin Infused	C-LA 1312 Open Mold
Long. Ten.	145	95
Long. Comp.	122	79
Trans. Ten.	14	13
Trans. Comp.	19	17
In-Plane Shear	12	8
Long. Flex.	122	79
Trans. Flex.	22	24

In-Plane Stiffness, "EA"		
10 ³ lb/in	C-LA 1312 Resin Infused	C-LA 1312 Open Mold
(EA)x	269	275
(EA)y	15	21
(GA)xy	8	8

Ultimate In-Plane Load		
lb/in	C-LA 1312 Resin Infused	C-LA 1312 Open Mold
Long. Ten.	2,730	2,795
Long. Comp.	2,292	2,347
Trans. Ten.	268	388
Trans. Comp.	353	510
In-Plane Shear	216	224

Notes:

- 1: Resin infused laminate made with vinyl ester resin 200 cps viscosity @ 77° F.
- 2: Open mold laminate made with polyester resin.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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Disclaimer:

As a service to customers, Vectorply Corporation ("VP") may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by VP in combination with other materials or systems.

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 utilizing a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.