



E-LM 3610

Fiber Type: E-Glass
 Architecture: 0° Unidirectional
 Dry Thickness: 0.058 in. / 1.47 mm
 Total Weight: 44.68 oz/sq.yd / 1515 g/sq.m

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 197 lb / 90 kg
 Roll Length: 50 yd / 46 m

Fiber Architecture Data

0 ° : 35.68 oz/sq.yd / 1210 g/sq.m
 45 ° : n/a
 90 ° : n/a
 - 45 ° : n/a
 Chopped Mat: 9.00 oz/sq.yd / 305 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight

(lb/sq.ft)	E-LM 3610 Resin Infused	E-LM 3610 Open Mold
Fiber	0.31	0.31
Resin	0.16	0.31
Total	0.47	0.62

Physical Properties

	E-LM 3610 Resin Infused	E-LM 3610 Open Mold
Density (g/cc)	1.84	1.63
Fiber Content (% by Wt.)	66%	50%
Thickness (in)	0.049	0.073

Laminate Moduli		
(MSI)	E-LM 3610 Resin Infused	E-LM 3610 Open Mold
Ex	4.50	3.21
Ey	2.09	1.37
Gxy	0.46	0.31
Ex,flex.	4.14	2.94
Ey,flex.	1.92	1.26

Ultimate Stress		
(KSI)	E-LM 3610 Resin Infused	E-LM 3610 Open Mold
Long. Ten.	74	53
Long. Comp.	85	61
Trans. Ten.	34	22
Trans. Comp.	48	31
In-Plane Shear	11	10
Long. Flex.	107	76
Trans. Flex.	54	35

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-LM 3610 Resin Infused	E-LM 3610 Open Mold
(EA)x	221	235
(EA)y	103	100
(GA)xy	22	22

Ultimate In-Plane Load		
lb/in	E-LM 3610 Resin Infused	E-LM 3610 Open Mold
Long. Ten.	3,625	3,850
Long. Comp.	4,184	4,444
Trans. Ten.	1,685	1,644
Trans. Comp.	2,342	2,285
In-Plane Shear	553	736

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.