



E-LTM 4010

Fiber Type: E-Glass
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.061 in. / 1.55 mm
 Total Weight: 49.26 oz/sq.yd / 1670 g/sq.m



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 208 lb / 95 kg
 Roll Length: 48 yd / 44 m

Fiber Architecture Data

0 ° : 18.50 oz/sq.yd / 627 g/sq.m
 45 ° : n/a
 90 ° : 21.76 oz/sq.yd / 738 g/sq.m
 - 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-LTM 4010 Resin Infused	E-LTM 4010 Open Mold
Fiber	0.34	0.34
Resin	0.18	0.34
Total	0.52	0.68

Physical Properties

	E-LTM 4010 Resin Infused	E-LTM 4010 Open Mold
Density (g/cc)	1.84	1.64
Fiber Content (% by Wt.)	66%	50%
Thickness (in)	0.055	0.080

Laminate Moduli		
(MSI)	E-LTM 4010 Resin Infused	E-LTM 4010 Open Mold
Ex	3.21	2.27
Ey	3.41	2.43
Gxy	0.44	0.30
Ex,flex.	2.96	2.10
Ey,flex.	3.15	2.24

Ultimate Stress		
(KSI)	E-LTM 4010 Resin Infused	E-LTM 4010 Open Mold
Long. Ten.	53	37
Long. Comp.	61	43
Trans. Ten.	56	40
Trans. Comp.	65	46
In-Plane Shear	11	10
Long. Flex.	76	54
Trans. Flex.	81	58

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-LTM 4010 Resin Infused	E-LTM 4010 Open Mold
(EA)x	175	181
(EA)y	186	193
(GA)xy	24	24

Ultimate In-Plane Load		
lb/in	E-LTM 4010 Resin Infused	E-LTM 4010 Open Mold
Long. Ten.	2,870	2,966
Long. Comp.	3,313	3,424
Trans. Ten.	3,051	3,169
Trans. Comp.	3,523	3,658
In-Plane Shear	594	794

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.