



E-LTM 5015

Fiber Type: E-Glass
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.075 in. / 1.91 mm
 Total Weight: 62.62 oz/sq.yd / 2123 g/sq.m



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 200 lb / 91 kg
 Roll Length: 36 yd / 33 m

Fiber Architecture Data

0° : 35.68 oz/sq.yd / 1210 g/sq.m
 45° : n/a
 90° : 13.44 oz/sq.yd / 456 g/sq.m
 - 45° : n/a
 Chopped Mat : 13.50 oz/sq.yd / 458 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 5015 Resin Infused	E-LTM 5015 Open Mold
Fiber	0.43	0.43
Resin	0.21	0.44
Total	0.65	0.88

Physical Properties

	E-LTM 5015 Resin Infused	E-LTM 5015 Open Mold
Density (g/cc)	1.86	1.63
Fiber Content (% by Wt.)	67%	50%
Thickness (in)	0.067	0.104

Laminate Moduli		
(MSI)	E-LTM 5015 Resin Infused	E-LTM 5015 Open Mold
Ex	3.91	2.67
Ey	2.84	1.86
Gxy	0.48	0.31
Ex,flex.	3.61	2.46
Ey,flex.	2.62	1.71

Ultimate Stress		
(KSI)	E-LTM 5015 Resin Infused	E-LTM 5015 Open Mold
Long. Ten.	64	44
Long. Comp.	74	51
Trans. Ten.	47	31
Trans. Comp.	54	35
In-Plane Shear	12	10
Long. Flex.	93	64
Trans. Flex.	68	44

In-Plane Stiffness, "EA"		
10 ^{^3} lb/in	E-LTM 5015 Resin Infused	E-LTM 5015 Open Mold
(EA)x	263	277
(EA)y	191	193
(GA)xy	32	32

Ultimate In-Plane Load		
lb/in	E-LTM 5015 Resin Infused	E-LTM 5015 Open Mold
Long. Ten.	4,310	4,538
Long. Comp.	4,975	5,238
Trans. Ten.	3,127	3,159
Trans. Comp.	3,610	3,647
In-Plane Shear	799	1,048

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.