



E-LTM 1808

Fiber Type: E-Glass
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.036 in. / 0.91 mm
 Total Weight: 26.02 oz/sq.yd / 882 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 176 lb / 80 kg	Roll Length: 76 yd / 69 m	0 ° :	8.96 oz/sq.yd / 304 g/sq.m
			45 ° :	n/a
			90 ° :	8.96 oz/sq.yd / 304 g/sq.m
			- 45 ° :	n/a
			Chopped Mat :	8.10 oz/sq.yd / 275 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 1808 Resin Infused	E-LTM 1808 Open Mold
Fiber	0.18	0.18
Resin	0.09	0.20
Total	0.27	0.38

Physical Properties

	E-LTM 1808 Resin Infused	E-LTM 1808 Open Mold
Density (g/cc)	1.84	1.60
Fiber Content (% by Wt.)	66%	47%
Thickness (in)	0.029	0.046

Laminate Moduli		
(MSI)	E-LTM 1808 Resin Infused	E-LTM 1808 Open Mold
Ex	3.17	2.04
Ey	3.17	2.04
Gxy	0.53	0.32
Ex,flex.	2.91	1.86
Ey,flex.	2.91	1.86

Ultimate Stress		
(KSI)	E-LTM 1808 Resin Infused	E-LTM 1808 Open Mold
Long. Ten.	52	33
Long. Comp.	60	39
Trans. Ten.	52	33
Trans. Comp.	60	39
In-Plane Shear	13	10
Long. Flex.	75	49
Trans. Flex.	75	49

In-Plane Stiffness, "EA"		
10 ^{^3} lb/in	E-LTM 1808 Resin Infused	E-LTM 1808 Open Mold
(EA)x	91	94
(EA)y	91	94
(GA)xy	15	15

Ultimate In-Plane Load		
lb/in	E-LTM 1808 Resin Infused	E-LTM 1808 Open Mold
Long. Ten.	1,487	1,544
Long. Comp.	1,717	1,783
Trans. Ten.	1,487	1,544
Trans. Comp.	1,717	1,783
In-Plane Shear	369	482

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.