



E-LTM 3610

Fiber Type: E-Glass
 Architecture: 0/90 Biaxial
 Dry Thickness: 0.055 in. / 1.40 mm
 Total Weight: 44.84 oz/sq.yd / 1520 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 198 lb / 90 kg	Roll Length: 50 yd / 46 m	0 ° : 17.92 oz/sq.yd / 608 g/sq.m	
			45 ° : n/a	
			90 ° : 17.92 oz/sq.yd / 608 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				
	E-LTM 3610 Resin Infused		E-LTM 3610 Open Mold	
Fiber	0.31 lb/sq.ft	1.52 kg/sq.m	0.31 lb/sq.ft	1.52 kg/sq.m
Resin	0.15 lb/sq.ft	0.72 kg/sq.m	0.33 lb/sq.ft	1.59 kg/sq.m
Total	0.46 lb/sq.ft	2.24 kg/sq.m	0.64 lb/sq.ft	3.11 kg/sq.m

Physical Properties				
	E-LTM 3610 Resin Infused		E-LTM 3610 Open Mold	
Density	1.08 oz/cu.in	1.87 g/cc	0.93 oz/cu.in	1.62 g/cc
Fiber Content	68% by Wt.	50% by Vol.	49% by Wt.	31% by Vol.
Thickness	0.047 in	1.2 mm	0.076 in	1.9 mm

Laminate Moduli

	E-LTM 3610 Resin Infused		E-LTM 3610 Open Mold	
	Ex	3.38 MSI	23.30 GPa	2.27 MSI
Ey	3.38 MSI	23.30 GPa	2.27 MSI	15.66 GPa
Gxy	0.66 MSI	4.52 GPa	0.45 MSI	3.12 GPa
Ex,flex.	3.21 MSI	22.14 GPa	2.16 MSI	14.88 GPa
Ey,flex.	3.21 MSI	22.14 GPa	2.16 MSI	14.88 GPa

Ultimate Stress

	E-LTM 3610 Resin Infused		E-LTM 3610 Open Mold	
	Long. Ten.	52.5 KSI	362.0 MPa	35.3 KSI
Long. Comp.	52.5 KSI	362.0 MPa	35.3 KSI	243.3 MPa
Trans. Ten.	55.4 KSI	382.2 MPa	37.2 KSI	256.8 MPa
Trans. Comp.	57.4 KSI	396.0 MPa	38.6 KSI	266.1 MPa
In-Plane Shear	14.9 KSI	103.0 MPa	10.3 KSI	71.1 MPa
Long. Flex.	68.6 KSI	472.9 MPa	46.1 KSI	317.8 MPa
Trans. Flex.	68.6 KSI	472.9 MPa	46.1 KSI	317.8 MPa

In-Plane Stiffness, "EA"

	E-LTM 3610 Resin Infused		E-LTM 3610 Open Mold	
	(EA)x	159,989 lb/in	28,017 N/mm	171,786 lb/in
(EA)y	159,989 lb/in	28,017 N/mm	171,786 lb/in	30,083 N/mm
(GA)xy	31,013 lb/in	5,431 N/mm	34,196 lb/in	5,988 N/mm

Ultimate In-Plane Load

	E-LTM 3610 Resin Infused		E-LTM 3610 Open Mold	
	Long. Ten.	2,485 lb/in	435 N/mm	2,669 lb/in
Long. Comp.	2,485 lb/in	435 N/mm	2,669 lb/in	467 N/mm
Trans. Ten.	2,624 lb/in	459 N/mm	2,817 lb/in	493 N/mm
Trans. Comp.	2,718 lb/in	476 N/mm	2,919 lb/in	511 N/mm
In-Plane Shear	707 lb/in	124 N/mm	780 lb/in	137 N/mm

Notes:

- 1: Resin infused laminate made with a poly / vinyl ester resin blend.
- 2: Open mold laminate made with poly / vinyl ester resin blend.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.
- 4: All properties are given assuming a symmetric or quasisymmetric laminate schedule.



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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.