



E-LT 3600

Fiber Type: E-Glass
 Architecture: 0/90 Biaxial
 Dry Thickness: 0.039 in. / 0.99 mm
 Total Weight: 35.84 oz/sq.yd / 1215 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 215 lb / 98 kg	Roll Length: 68 yd / 62 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 : n/a	

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight				
	E-LT 3600 Resin Infused		E-LT 3600 Open Mold	
Fiber	0.25 lb/sq.ft	1.22 kg/sq.m	0.25 lb/sq.ft	1.22 kg/sq.m
Resin	0.11 lb/sq.ft	0.52 kg/sq.m	0.20 lb/sq.ft	0.99 kg/sq.m
Total	0.36 lb/sq.ft	1.74 kg/sq.m	0.45 lb/sq.ft	2.21 kg/sq.m

Physical Properties				
	E-LT 3600 Resin Infused		E-LT 3600 Open Mold	
Density	1.10 oz/cu.in	1.90 g/cc	0.98 oz/cu.in	1.69 g/cc
Fiber Content	70% by Wt.	52% by Vol.	55% by Wt.	37% by Vol.
Thickness	0.036 in	0.9 mm	0.051 in	1.3 mm

Laminate Moduli

	E-LT 3600		E-LT 3600	
	Resin Infused		Open Mold	
Ex	3.91 MSI	26.96 GPa	2.82 MSI	19.46 GPa
Ey	3.91 MSI	26.96 GPa	2.82 MSI	19.46 GPa
Gxy	0.66 MSI	4.53 GPa	0.47 MSI	3.24 GPa
Ex,flex.	3.71 MSI	25.61 GPa	2.68 MSI	18.49 GPa
Ey,flex.	3.71 MSI	25.61 GPa	2.68 MSI	18.49 GPa

Ultimate Stress

	E-LT 3600		E-LT 3600	
	Resin Infused		Open Mold	
Long. Ten.	74.0 KSI	510.4 MPa	53.4 KSI	368.4 MPa
Long. Comp.	74.0 KSI	510.4 MPa	53.4 KSI	368.4 MPa
Trans. Ten.	74.0 KSI	510.4 MPa	53.4 KSI	368.4 MPa
Trans. Comp.	74.0 KSI	510.4 MPa	53.4 KSI	368.4 MPa
In-Plane Shear	13.1 KSI	90.6 MPa	9.4 KSI	64.8 MPa
Long. Flex.	88.4 KSI	609.2 MPa	63.8 KSI	439.7 MPa
Trans. Flex.	88.4 KSI	609.2 MPa	63.8 KSI	439.7 MPa

In-Plane Stiffness, "EA"

	E-LT 3600		E-LT 3600	
	Resin Infused		Open Mold	
(EA)x	140,494 lb/in	24,603 N/mm	145,263 lb/in	25,438 N/mm
(EA)y	140,494 lb/in	24,603 N/mm	145,263 lb/in	25,438 N/mm
(GA)xy	23,618 lb/in	4,136 N/mm	24,169 lb/in	4,232 N/mm

Ultimate In-Plane Load

	E-LT 3600		E-LT 3600	
	Resin Infused		Open Mold	
Long. Ten.	2,660 lb/in	466 N/mm	2,750 lb/in	482 N/mm
Long. Comp.	2,660 lb/in	466 N/mm	2,750 lb/in	482 N/mm
Trans. Ten.	2,660 lb/in	466 N/mm	2,750 lb/in	482 N/mm
Trans. Comp.	2,660 lb/in	466 N/mm	2,750 lb/in	482 N/mm
In-Plane Shear	472 lb/in	83 N/mm	483 lb/in	85 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.



3500 Lakewood Dr. Phenix City, AL 36867 tel. 334 291 7704 fax. 334 291 7743

REV: 6/16/2015

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.