



E-LT 2400-P

Fiber Type: E-Glass
 Architecture: 0/90 Biaxial
 Dry Thickness: 0.027 in. / 0.69 mm
 Total Weight: 23.74 oz/sq.yd / 805 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 180 lb / 82 kg	Roll Length: 85 yd / 78 m	0 ° :	12.22 oz/sq.yd / 414 g/sq.m
			45 ° :	n/a
			90 ° :	11.52 oz/sq.yd / 391 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 2400-P Resin Infused		E-LT 2400-P Open Mold	
Fiber	0.16 lb/sq.ft	0.80 kg/sq.m	0.16 lb/sq.ft	0.80 kg/sq.m
Resin	0.07 lb/sq.ft	0.35 kg/sq.m	0.13 lb/sq.ft	0.66 kg/sq.m
Total	0.24 lb/sq.ft	1.15 kg/sq.m	0.30 lb/sq.ft	1.46 kg/sq.m

Physical Properties				
	E-LT 2400-P Resin Infused		E-LT 2400-P 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	0.024 in	0.6 mm	0.034 in	0.9 mm

Laminate Moduli

	E-LT 2400-P Resin Infused		E-LT 2400-P Open Mold	
	Ex	3.96 MSI	27.33 GPa	2.86 MSI
Ey	3.86 MSI	26.59 GPa	2.78 MSI	19.18 GPa
Gxy	0.66 MSI	4.53 GPa	0.47 MSI	3.24 GPa
Ex,flex.	3.77 MSI	25.96 GPa	2.72 MSI	18.75 GPa
Ey,flex.	3.66 MSI	25.26 GPa	2.64 MSI	18.22 GPa

Ultimate Stress

	E-LT 2400-P Resin Infused		E-LT 2400-P Open Mold	
	Long. Ten.	75.0 KSI	517.4 MPa	54.2 KSI
Long. Comp.	75.0 KSI	517.4 MPa	54.2 KSI	373.7 MPa
Trans. Ten.	73.0 KSI	503.4 MPa	52.7 KSI	363.1 MPa
Trans. Comp.	73.0 KSI	503.4 MPa	52.7 KSI	363.1 MPa
In-Plane Shear	13.1 KSI	90.6 MPa	9.4 KSI	64.8 MPa
Long. Flex.	89.6 KSI	617.5 MPa	64.7 KSI	446.0 MPa
Trans. Flex.	87.1 KSI	600.8 MPa	62.9 KSI	433.4 MPa

In-Plane Stiffness, "EA"

	E-LT 2400-P Resin Infused		E-LT 2400-P Open Mold	
	(EA)x	94,337 lb/in	16,520 N/mm	97,596 lb/in
(EA)y	91,786 lb/in	16,073 N/mm	94,845 lb/in	16,609 N/mm
(GA)xy	15,645 lb/in	2,740 N/mm	16,009 lb/in	2,804 N/mm

Ultimate In-Plane Load

	E-LT 2400-P Resin Infused		E-LT 2400-P Open Mold	
	Long. Ten.	1,786 lb/in	313 N/mm	1,848 lb/in
Long. Comp.	1,786 lb/in	313 N/mm	1,848 lb/in	324 N/mm
Trans. Ten.	1,738 lb/in	304 N/mm	1,796 lb/in	314 N/mm
Trans. Comp.	1,738 lb/in	304 N/mm	1,796 lb/in	314 N/mm
In-Plane Shear	313 lb/in	55 N/mm	320 lb/in	56 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.