



## E-TLX 2400

Fiber Type: E-Glass  
 Architecture: 0/45/-45 Warp Triaxial  
 Dry Thickness: 0.035 in. / 0.89 mm  
 Total Weight: 26.11 oz/sq.yd / 885 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 224 lb / 102 kg	Roll Length: 96 yd / 88 m	0 ° : 15.36 oz/sq.yd / 521 g/sq.m	
			45 ° : 5.38 oz/sq.yd / 182 g/sq.m	
			90 ° : n/a	
			-45 ° : 5.38 oz/sq.yd / 182 g/sq.m	
			Chopped Mat : n/a	

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

#### Laminate Weight

	E-TLX 2400 Resin Infused		E-TLX 2400 Open Mold	
	Fiber	0.18 lb/sq.ft	0.89 kg/sq.m	0.18 lb/sq.ft
Resin	0.08 lb/sq.ft	0.38 kg/sq.m	0.15 lb/sq.ft	0.72 kg/sq.m
Total	0.26 lb/sq.ft	1.26 kg/sq.m	0.33 lb/sq.ft	1.61 kg/sq.m

#### Physical Properties

	E-TLX 2400 Resin Infused		E-TLX 2400 Open Mold	
	Density	1.10 oz/cu.in	1.90 g/cc	0.98 oz/cu.in
Fiber Content	70% by Wt.	52% by Vol.	55% by Wt.	37% by Vol.
Thickness	0.026 in	0.7 mm	0.037 in	1.0 mm

**Laminate Moduli**

	E-TLX 2400 Resin Infused		E-TLX 2400 Open Mold	
	Ex	4.34 MSI	29.89 GPa	3.14 MSI
Ey	2.08 MSI	14.35 GPa	1.49 MSI	10.26 GPa
Gxy	1.16 MSI	8.03 GPa	0.83 MSI	5.71 GPa
Ex,flex.	4.12 MSI	28.40 GPa	2.99 MSI	20.59 GPa
Ey,flex.	1.98 MSI	13.63 GPa	1.41 MSI	9.75 GPa

**Ultimate Stress**

	E-TLX 2400 Resin Infused		E-TLX 2400 Open Mold	
	Long. Ten.	82.1 KSI	565.9 MPa	59.5 KSI
Long. Comp.	82.1 KSI	565.9 MPa	59.5 KSI	410.3 MPa
Trans. Ten.	20.8 KSI	143.5 MPa	14.9 KSI	102.6 MPa
Trans. Comp.	20.8 KSI	143.5 MPa	14.9 KSI	102.6 MPa
In-Plane Shear	22.0 KSI	152.0 MPa	15.7 KSI	108.1 MPa
Long. Flex.	98.0 KSI	675.5 MPa	71.0 KSI	489.7 MPa
Trans. Flex.	19.8 KSI	136.3 MPa	14.1 KSI	97.5 MPa

**In-Plane Stiffness, "EA"**

	E-TLX 2400 Resin Infused		E-TLX 2400 Open Mold	
	(EA)x	113,478 lb/in	19,872 N/mm	117,846 lb/in
(EA)y	54,464 lb/in	9,538 N/mm	55,791 lb/in	9,770 N/mm
(GA)xy	30,478 lb/in	5,337 N/mm	31,055 lb/in	5,438 N/mm

**Ultimate In-Plane Load**

	E-TLX 2400 Resin Infused		E-TLX 2400 Open Mold	
	Long. Ten.	2,148 lb/in	376 N/mm	2,231 lb/in
Long. Comp.	2,148 lb/in	376 N/mm	2,231 lb/in	391 N/mm
Trans. Ten.	545 lb/in	95 N/mm	558 lb/in	98 N/mm
Trans. Comp.	545 lb/in	95 N/mm	558 lb/in	98 N/mm
In-Plane Shear	577 lb/in	101 N/mm	588 lb/in	103 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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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.