



## E-TTX 3400

Fiber Type: E-Glass  
 Architecture: 45/90/-45 Weft Triaxial  
 Dry Thickness: 0.039 in. / 0.99 mm  
 Total Weight: 35.08 oz/sq.yd / 1189 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	234 lb / 106 kg	75 yd / 69 m	45 ° :	12.10 oz/sq.yd / 410 g/sq.m
			90 ° :	10.88 oz/sq.yd / 369 g/sq.m
			-45 ° :	12.10 oz/sq.yd / 410 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-TTX 3400 Resin Infused		E-TTX 3400 Open Mold	
Fiber	0.24 lb/sq.ft	1.19 kg/sq.m	0.24 lb/sq.ft	1.19 kg/sq.m
Resin	0.10 lb/sq.ft	0.51 kg/sq.m	0.20 lb/sq.ft	0.97 kg/sq.m
Total	0.35 lb/sq.ft	1.70 kg/sq.m	0.44 lb/sq.ft	2.16 kg/sq.m

Physical Properties				
	E-TTX 3400 Resin Infused		E-TTX 3400 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	0.035 in	0.9 mm	0.050 in	1.3 mm

**Laminate Moduli**

	E-TTX 3400 Resin Infused		E-TTX 3400 Open Mold	
	Ex	2.25 MSI	15.51 GPa	1.60 MSI
Ey	3.22 MSI	22.19 GPa	2.33 MSI	16.06 GPa
Gxy	1.40 MSI	9.64 GPa	1.01 MSI	6.93 GPa
Ex,flex.	2.14 MSI	14.73 GPa	1.52 MSI	10.49 GPa
Ey,flex.	3.06 MSI	21.08 GPa	2.21 MSI	15.25 GPa

**Ultimate Stress**

	E-TTX 3400 Resin Infused		E-TTX 3400 Open Mold	
	Long. Ten.	22.5 KSI	155.1 MPa	16.0 KSI
Long. Comp.	22.5 KSI	155.1 MPa	16.0 KSI	110.5 MPa
Trans. Ten.	60.9 KSI	420.0 MPa	44.1 KSI	304.0 MPa
Trans. Comp.	60.9 KSI	420.0 MPa	44.1 KSI	304.0 MPa
In-Plane Shear	26.5 KSI	182.5 MPa	19.0 KSI	131.2 MPa
Long. Flex.	21.4 KSI	147.3 MPa	15.2 KSI	104.9 MPa
Trans. Flex.	72.7 KSI	501.3 MPa	52.6 KSI	362.8 MPa

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

	E-TTX 3400 Resin Infused		E-TTX 3400 Open Mold	
	(EA)x	79,093 lb/in	13,851 N/mm	80,697 lb/in
(EA)y	113,157 lb/in	19,816 N/mm	117,301 lb/in	20,542 N/mm
(GA)xy	49,164 lb/in	8,609 N/mm	50,645 lb/in	8,869 N/mm

**Ultimate In-Plane Load**

	E-TTX 3400 Resin Infused		E-TTX 3400 Open Mold	
	Long. Ten.	791 lb/in	139 N/mm	807 lb/in
Long. Comp.	791 lb/in	139 N/mm	807 lb/in	141 N/mm
Trans. Ten.	2,142 lb/in	375 N/mm	2,221 lb/in	389 N/mm
Trans. Comp.	2,142 lb/in	375 N/mm	2,221 lb/in	389 N/mm
In-Plane Shear	931 lb/in	163 N/mm	959 lb/in	168 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:**

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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.