



E-T 2200

Fiber Type: E-Glass
 Architecture: 90 Weft Unidirectional
 Dry Thickness: 0.040 in. / 1.02 mm
 Total Weight: 21.99 oz/sq.yd / 746 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 217 lb / 99 kg	Roll Length: 112 yd / 102 m	0 ° : n/a	
			45 ° : n/a	
			90 ° : 21.99 oz/sq.yd / 746 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-T 2200 Resin Infused		E-T 2200 Open Mold	
	Fiber	0.15 lb/sq.ft	0.75 kg/sq.m	0.15 lb/sq.ft
Resin	0.07 lb/sq.ft	0.32 kg/sq.m	0.12 lb/sq.ft	0.61 kg/sq.m
Total	0.22 lb/sq.ft	1.07 kg/sq.m	0.28 lb/sq.ft	1.36 kg/sq.m

Physical Properties

	E-T 2200 Resin Infused		E-T 2200 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	0.022 in	0.6 mm	0.032 in	0.8 mm

Laminate Moduli

	E-T 2200 Resin Infused		E-T 2200 Open Mold	
	Ex	2.08 MSI	14.36 GPa	1.45 MSI
Ey	5.70 MSI	39.30 GPa	4.17 MSI	28.73 GPa
Gxy	0.66 MSI	4.53 GPa	0.47 MSI	3.24 GPa
Ex,flex.	1.98 MSI	13.64 GPa	1.37 MSI	9.47 GPa
Ey,flex.	5.42 MSI	37.34 GPa	3.96 MSI	27.30 GPa

Ultimate Stress

	E-T 2200 Resin Infused		E-T 2200 Open Mold	
	Long. Ten.	20.8 KSI	143.6 MPa	14.5 KSI
Long. Comp.	20.8 KSI	143.6 MPa	14.5 KSI	99.7 MPa
Trans. Ten.	107.9 KSI	744.1 MPa	78.9 KSI	544.0 MPa
Trans. Comp.	107.9 KSI	744.1 MPa	78.9 KSI	544.0 MPa
In-Plane Shear	13.1 KSI	90.6 MPa	9.4 KSI	64.7 MPa
Long. Flex.	19.8 KSI	136.4 MPa	13.7 KSI	94.7 MPa
Trans. Flex.	128.8 KSI	888.1 MPa	94.2 KSI	649.3 MPa

In-Plane Stiffness, "EA"

	E-T 2200 Resin Infused		E-T 2200 Open Mold	
	(EA)x	45,909 lb/in	8,039 N/mm	45,658 lb/in
(EA)y	125,684 lb/in	22,010 N/mm	131,622 lb/in	23,049 N/mm
(GA)xy	14,492 lb/in	2,538 N/mm	14,830 lb/in	2,597 N/mm

Ultimate In-Plane Load

	E-T 2200 Resin Infused		E-T 2200 Open Mold	
	Long. Ten.	459 lb/in	80 N/mm	457 lb/in
Long. Comp.	459 lb/in	80 N/mm	457 lb/in	80 N/mm
Trans. Ten.	2,379 lb/in	417 N/mm	2,492 lb/in	436 N/mm
Trans. Comp.	2,379 lb/in	417 N/mm	2,492 lb/in	436 N/mm
In-Plane Shear	290 lb/in	51 N/mm	297 lb/in	52 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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REV: 6/16/2015

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.