



E-T 1200

Fiber Type: E-Glass
 Architecture: 90 Weft Unidirectional
 Dry Thickness: 0.026 in. / 0.66 mm
 Total Weight: 12.28 oz/sq.yd / 416 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 172 lb / 78 kg	Roll Length: 158 yd / 144 m	0 ° : n/a	
			45 ° : n/a	
			90 ° : 12.28 oz/sq.yd / 416 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 1200 Resin Infused		E-T 1200 Open Mold	
Fiber	0.09 lb/sq.ft	0.42 kg/sq.m	0.08 lb/sq.ft	0.41 kg/sq.m
Resin	0.04 lb/sq.ft	0.18 kg/sq.m	0.07 lb/sq.ft	0.33 kg/sq.m
Total	0.12 lb/sq.ft	0.59 kg/sq.m	0.15 lb/sq.ft	0.74 kg/sq.m

Physical Properties				
	E-T 1200 Resin Infused		E-T 1200 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	0.012 in	0.3 mm	0.017 in	0.4 mm

Laminate Moduli

	E-T 1200 Resin Infused		E-T 1200 Open Mold	
	Ex	2.08 MSI	14.35 GPa	1.45 MSI
Ey	5.70 MSI	39.29 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.	5.41 MSI	37.33 GPa	3.96 MSI	27.29 GPa

Ultimate Stress

	E-T 1200 Resin Infused		E-T 1200 Open Mold	
	Long. Ten.	20.8 KSI	143.5 MPa	14.5 KSI
Long. Comp.	20.8 KSI	143.5 MPa	14.5 KSI	99.7 MPa
Trans. Ten.	107.9 KSI	743.9 MPa	78.9 KSI	543.9 MPa
Trans. Comp.	107.9 KSI	743.9 MPa	78.9 KSI	543.9 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	887.9 MPa	94.2 KSI	649.2 MPa

In-Plane Stiffness, "EA"

	E-T 1200 Resin Infused		E-T 1200 Open Mold	
	(EA)x	25,638 lb/in	4,490 N/mm	24,813 lb/in
(EA)y	70,187 lb/in	12,291 N/mm	71,528 lb/in	12,526 N/mm
(GA)xy	8,093 lb/in	1,417 N/mm	8,059 lb/in	1,411 N/mm

Ultimate In-Plane Load

	E-T 1200 Resin Infused		E-T 1200 Open Mold	
	Long. Ten.	256 lb/in	45 N/mm	248 lb/in
Long. Comp.	256 lb/in	45 N/mm	248 lb/in	43 N/mm
Trans. Ten.	1,329 lb/in	233 N/mm	1,354 lb/in	237 N/mm
Trans. Comp.	1,329 lb/in	233 N/mm	1,354 lb/in	237 N/mm
In-Plane Shear	162 lb/in	28 N/mm	161 lb/in	28 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.