



## E-LTM 1208

Fiber Type: E-Glass  
 Architecture: 0/90 Biaxial  
 Dry Thickness: 0.038 in. / 0.97 mm  
 Total Weight: 20.04 oz/sq.yd / 679 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 166 lb / 75 kg	Roll Length: 90 yd / 82 m	0 ° : 5.97 oz/sq.yd / 202 g/sq.m	
			45 ° : n/a	
			90 ° : 5.97 oz/sq.yd / 202 g/sq.m	
			-45 ° : n/a	
			Chopped Mat : 8.10 oz/sq.yd / 275 g/sq.m	

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

Laminate Weight				
	E-LTM 1208 Resin Infused		E-LTM 1208 Open Mold	
Fiber	0.14 lb/sq.ft	0.68 kg/sq.m	0.14 lb/sq.ft	0.68 kg/sq.m
Resin	0.07 lb/sq.ft	0.36 kg/sq.m	0.18 lb/sq.ft	0.86 kg/sq.m
Total	0.21 lb/sq.ft	1.04 kg/sq.m	0.32 lb/sq.ft	1.54 kg/sq.m

Physical Properties				
	E-LTM 1208 Resin Infused		E-LTM 1208 Open Mold	
Density	1.06 oz/cu.in	1.83 g/cc	0.90 oz/cu.in	1.56 g/cc
Fiber Content	66% by Wt.	47% by Vol.	44% by Wt.	27% by Vol.
Thickness	0.022 in	0.6 mm	0.039 in	1.0 mm

**Laminate Moduli**

	E-LTM 1208 Resin Infused		E-LTM 1208 Open Mold	
	Ex	2.89 MSI	19.93 GPa	1.85 MSI
Ey	2.89 MSI	19.93 GPa	1.85 MSI	12.79 GPa
Gxy	0.65 MSI	4.50 GPa	0.44 MSI	3.03 GPa
Ex,flex.	2.75 MSI	18.94 GPa	1.76 MSI	12.15 GPa
Ey,flex.	2.75 MSI	18.94 GPa	1.76 MSI	12.15 GPa

**Ultimate Stress**

	E-LTM 1208 Resin Infused		E-LTM 1208 Open Mold	
	Long. Ten.	47.4 KSI	326.9 MPa	30.4 KSI
Long. Comp.	54.7 KSI	377.4 MPa	35.1 KSI	242.1 MPa
Trans. Ten.	47.4 KSI	326.9 MPa	30.4 KSI	209.7 MPa
Trans. Comp.	54.7 KSI	377.4 MPa	35.1 KSI	242.1 MPa
In-Plane Shear	14.9 KSI	102.7 MPa	10.0 KSI	69.0 MPa
Long. Flex.	65.3 KSI	450.4 MPa	41.9 KSI	289.0 MPa
Trans. Flex.	65.3 KSI	450.4 MPa	41.9 KSI	289.0 MPa

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

	E-LTM 1208 Resin Infused		E-LTM 1208 Open Mold	
	(EA)x	64,279 lb/in	11,256 N/mm	72,148 lb/in
(EA)y	64,279 lb/in	11,256 N/mm	72,148 lb/in	12,634 N/mm
(GA)xy	14,524 lb/in	2,543 N/mm	17,076 lb/in	2,990 N/mm

**Ultimate In-Plane Load**

	E-LTM 1208 Resin Infused		E-LTM 1208 Open Mold	
	Long. Ten.	1,054 lb/in	185 N/mm	1,183 lb/in
Long. Comp.	1,217 lb/in	213 N/mm	1,366 lb/in	239 N/mm
Trans. Ten.	1,054 lb/in	185 N/mm	1,183 lb/in	207 N/mm
Trans. Comp.	1,217 lb/in	213 N/mm	1,366 lb/in	239 N/mm
In-Plane Shear	331 lb/in	58 N/mm	389 lb/in	68 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.