



## E-LR 0908

Fiber Type: E-Glass  
 Architecture: 0 Warp Unidirectional  
 Dry Thickness: 0.019 in. / 0.48 mm  
 Total Weight: 9.86 oz/sq.yd / 334 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	8.96 oz/sq.yd / 304 g/sq.m
50 in / 1270 mm	177 lb / 80 kg	159 yd / 145 m	45 ° :	n/a
			90 ° :	n/a
			-45 ° :	n/a
			Polyester Veil :	0.90 oz/sq.yd / 31 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

Laminate Weight				
	E-LR 0908 Resin Infused		E-LR 0908 Open Mold	
Fiber	0.07 lb/sq.ft	0.33 kg/sq.m	0.07 lb/sq.ft	0.33 kg/sq.m
Resin	0.03 lb/sq.ft	0.16 kg/sq.m	0.06 lb/sq.ft	0.31 kg/sq.m
Total	0.10 lb/sq.ft	0.49 kg/sq.m	0.13 lb/sq.ft	0.64 kg/sq.m

Physical Properties				
	E-LR 0908 Resin Infused		E-LR 0908 Open Mold	
Density	1.04 oz/cu.in	1.80 g/cc	0.93 oz/cu.in	1.61 g/cc
Fiber Content	68% by Wt.	52% by Vol.	52% by Wt.	36% by Vol.
Thickness	0.011 in	0.3 mm	0.016 in	0.4 mm

**Laminate Moduli**

	E-LR 0908 Resin Infused		E-LR 0908 Open Mold	
	Ex	4.86 MSI	33.50 GPa	3.52 MSI
Ey	1.52 MSI	10.46 GPa	1.11 MSI	7.64 GPa
Gxy	0.71 MSI	4.91 GPa	0.50 MSI	3.45 GPa
Ex,flex.	4.62 MSI	31.83 GPa	3.35 MSI	23.08 GPa
Ey,flex.	1.44 MSI	9.93 GPa	1.05 MSI	7.26 GPa

**Ultimate Stress**

	E-LR 0908 Resin Infused		E-LR 0908 Open Mold	
	Long. Ten.	92.0 KSI	634.3 MPa	66.7 KSI
Long. Comp.	92.0 KSI	634.3 MPa	66.7 KSI	460.0 MPa
Trans. Ten.	30.3 KSI	209.1 MPa	22.2 KSI	152.8 MPa
Trans. Comp.	30.3 KSI	209.1 MPa	22.2 KSI	152.8 MPa
In-Plane Shear	14.3 KSI	98.3 MPa	10.0 KSI	69.0 MPa
Long. Flex.	92.3 KSI	636.5 MPa	67.0 KSI	461.7 MPa
Trans. Flex.	28.8 KSI	198.7 MPa	21.1 KSI	145.2 MPa

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

	E-LR 0908 Resin Infused		E-LR 0908 Open Mold	
	(EA)x	52,188 lb/in	9,139 N/mm	55,262 lb/in
(EA)y	16,289 lb/in	2,853 N/mm	17,375 lb/in	3,043 N/mm
(GA)xy	7,654 lb/in	1,340 N/mm	7,843 lb/in	1,373 N/mm

**Ultimate In-Plane Load**

	E-LR 0908 Resin Infused		E-LR 0908 Open Mold	
	Long. Ten.	988 lb/in	173 N/mm	1,046 lb/in
Long. Comp.	988 lb/in	173 N/mm	1,046 lb/in	183 N/mm
Trans. Ten.	326 lb/in	57 N/mm	348 lb/in	61 N/mm
Trans. Comp.	326 lb/in	57 N/mm	348 lb/in	61 N/mm
In-Plane Shear	153 lb/in	27 N/mm	157 lb/in	27 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.