



## E-LR 1708

Fiber Type: E-Glass  
 Architecture: 0° Unidirectional  
 Dry Thickness: 0.026 in. / 0.66 mm  
 Total Weight: 18.82 oz/sq.yd / 638 g/sq.m

**VECTORSPORTS**<sup>™</sup>



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 196 lb / 89 kg  
 Roll Length: 117 yd / 107 m

### Fiber Architecture Data

0° : 17.92 oz/sq.yd / 608 g/sq.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

(lb/sq.ft)	E-LR 1708 Resin Infused	E-LR 1708 Open Mold
Fiber	0.13	0.13
Resin	0.06	0.12
Total	0.19	0.25

#### Physical Properties

	E-LR 1708 Resin Infused	E-LR 1708 Open Mold
Density (g/cc)	1.86	1.64
Fiber Content (% by Wt.)	70%	53%
Thickness (in)	0.019	0.029

Laminate Moduli		
(MSI)	E-LR 1708 Resin Infused	E-LR 1708 Open Mold
Ex	5.32	3.76
Ey	1.67	1.15
Gxy	0.49	0.31
Ex,flex.	4.95	3.49
Ey,flex.	1.55	1.07

Ultimate Stress		
(KSI)	E-LR 1708 Resin Infused	E-LR 1708 Open Mold
Long. Ten.	101	71
Long. Comp.	101	71
Trans. Ten.	33	23
Trans. Comp.	33	23
In-Plane Shear	15	9
Long. Flex.	106	75
Trans. Flex.	33	23

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-LR 1708 Resin Infused	E-LR 1708 Open Mold
(EA)x	103	109
(EA)y	32	33
(GA)xy	9	9

Ultimate In-Plane Load		
lb/in	E-LR 1708 Resin Infused	E-LR 1708 Open Mold
Long. Ten.	1,951	2,062
Long. Comp.	1,951	2,062
Trans. Ten.	647	665
Trans. Comp.	647	665
In-Plane Shear	283	271

**Notes:**

- 1: Resin infused laminate made with vinyl ester resin 200 cps viscosity @ 77° F.
- 2: Open mold laminate made with polyester resin.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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Disclaimer:

As a service to customers, Vectorply Corporation ("VP") may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by VP in combination with other materials or systems.

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.