



E-WMV 2415

Fiber Type: E-Glass
 Architecture: Woven
 Dry Thickness: 0.063 in. / 1.60 mm
 Total Weight: 38.28 oz/sq.yd / 1298 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	14.16 oz/sq.yd / 480 g/sq.m
50 in / 1270 mm	172 lb / 78 kg	49 yd / 45 m	45 ° :	n/a
			90 ° :	10.62 oz/sq.yd / 360 g/sq.m
			-45 ° :	n/a
			Chopped Mat :	13.50 oz/sq.yd / 458 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-WMV 2415 Resin Infused	E-WMV 2415 Open Mold
Fiber	0.27	0.27
Resin	0.13	0.43
Total	0.39	0.69

Physical Properties		
	E-WMV 2415 Resin Infused	E-WMV 2415 Open Mold
Density (g/cc)	1.86	1.50
Fiber Content (% by Wt.)	67%	38%
Thickness (in)	0.041	0.089

Laminate Modulii		
(MSI)	E-WMV 2415 Resin Infused	E-WMV 2415 Open Mold
Ex	2.79	1.55
Ey	2.57	1.44
Gxy	0.66	0.39
Ex,flex.	2.65	1.48
Ey,flex.	2.44	1.37

Ultimate Stress		
(KSI)	E-WMV 2415 Resin Infused	E-WMV 2415 Open Mold
Long. Ten.	44	24
Long. Comp.	39	22
Trans. Ten.	40	23
Trans. Comp.	36	20
In-Plane Shear	15	9
Long. Flex.	58	32
Trans. Flex.	54	30

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-WMV 2415 Resin Infused	E-WMV 2415 Open Mold
(EA)x	114	138
(EA)y	105	128
(GA)xy	27	35

Ultimate In-Plane Load		
lb/in	E-WMV 2415 Resin Infused	E-WMV 2415 Open Mold
Long. Ten.	1,774	2,157
Long. Comp.	1,575	1,915
Trans. Ten.	1,635	2,000
Trans. Comp.	1,452	1,776
In-Plane Shear	611	791

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.



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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.