



A&P Technology

**CONTINUOUS, STABILIZED +/-45° FABRIC OFFERING:**

- Offering Long Continuous Lengths of Off-Axis Orientation
- No Waste from Converting 0°/90° Fabrics to 45°s
- Laydown of 45s is Seamless - No Overlap Joints, Faster Build Rates, Fewer Quality Checks & No Disruption in Load Path for Improved Performance

**BIMAX-375-48**

**FABRIC:** 2 x 2 Twill

**RAW MATERIAL:** Bias - T-700 SC 12K 50C (Toray) – 99% of weight

Axial – Fiberglass Stabilizing Yarns – 1% of weight

**LINK TO CARBON FIBER DATASHEET**

**FABRIC WIDTH:** 48"

**BRAID ANGLE:** +/-45°

**BRAID YIELD:** 1.1 yd/lb (2.2 m/kg)

**AREAL WEIGHT:** 374 GSM

**LAYER THICKNESS:** (@55%FV): .02" (.39 mm)



**STANDARD FABRIC TOLERANCES**

**YIELD TOLERANCE:** +/-5%

**ANGLE TOLERANCE:** +/-3°

**STANDARD PACKAGING ON 6" CORES**

*Additional Quality Specifications available upon request*

Better With Braid.®

For more information, please visit [www.braider.com](http://www.braider.com) OR contact a sales rep at [sales@braider.com](mailto:sales@braider.com) or 513-688-3200

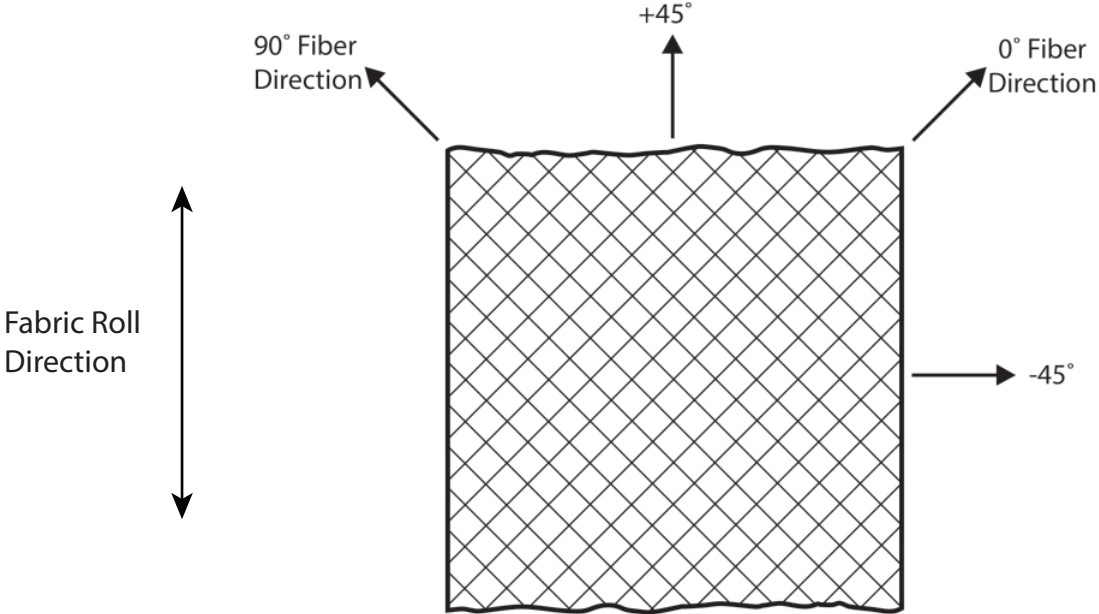


**Bimax IM Average Data\***  
**315 GSM**

**Bimax Heavy Average Data\***  
**375 GSM**

Mechanical Properties	Average
0° Fiber Direction Tensile Str. (ksi)	151
0° Fiber Direction Tensile Mod. (Msi)	9
0° Fiber Direction Compression Str. (ksi)	97
0° Fiber Direction Compression Mod. (Msi)	8.1
In-Plane Shear Strength (ksi)	14
In-Plane Shear Modulus (Msi)	0.7
±45° Tensile Strength (ksi)	27
±45° Tensile Modulus (Msi)	1.9
±45° Compression Strength (ksi)	27
±45° Compression Modulus (Msi)	1.9

\* These averages are derived from testing performed using a variety of epoxy resins. If interested in specific fabric/resin system data including thermoplastic data, please contact sales@braider.com



For more information, please visit [www.braider.com](http://www.braider.com) OR contact a sales rep at [sales@braider.com](mailto:sales@braider.com) or 513-688-3200

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