



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 OR contact a sales rep at sales@braider.com or 513-688-3200

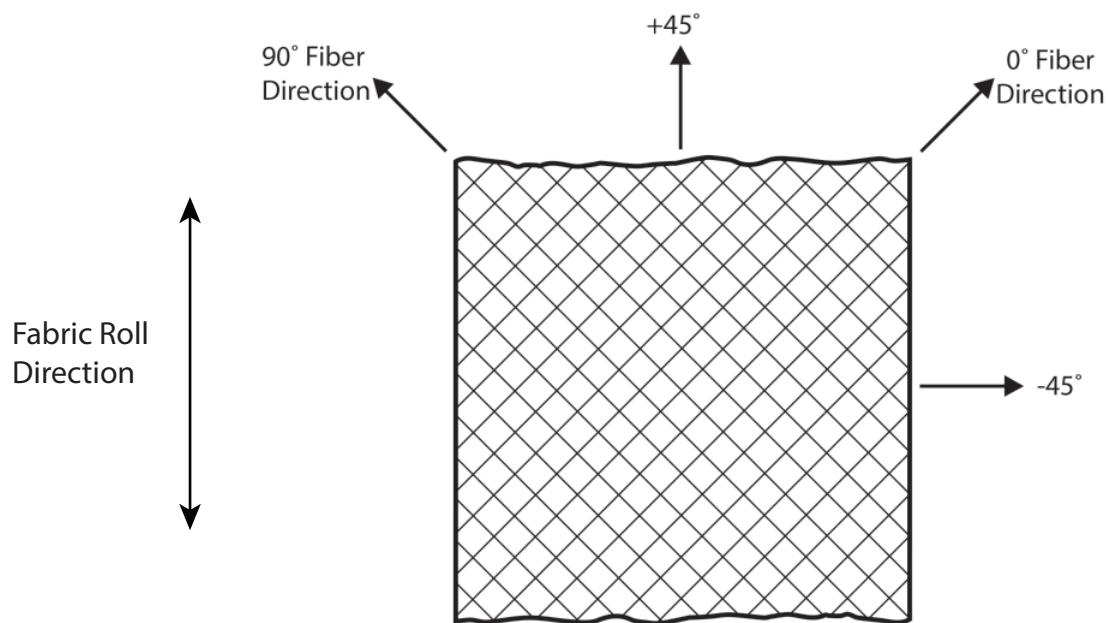
Bimax IM Average Data* 315 GSM

Mechanical Properties	Average
0° Fiber Direction Tensile Str. (ksi)	155
0° Fiber Direction Tensile Mod. (Msi)	11.2
0° Fiber Direction Compression Str. (ksi)	91
0° Fiber Direction Compression Mod. (Msi)	10.3
In-Plane Shear Strength (ksi)	18
In-Plane Shear Modulus (Msi)	0.7
±45° Tensile Strength (ksi)	34
±45° Tensile Modulus (Msi)	2.5
±45° Compression Strength (ksi)	34
±45° Compression Modulus (Msi)	2.3

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)	2.1
±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 OR contact a sales rep at sales@braider.com or 513-688-3200