



A&P Technology

CONTINUOUS, HIGHLY DRAPABLE +/-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

TX-45-200-50

FABRIC: 2 x 2 Twill

RAW MATERIAL: Bias - T-800HB 6K 40B (Toray)

LINK TO CARBON FIBER DATASHEET

FABRIC WIDTH: 50.6"

BRAID ANGLE: +/-45°

BRAID YIELD: 2.0 yd/lb (4.1 m/kg)

AREAL WEIGHT: 197 GSM

LAYER THICKNESS: (@55%FV): .008" (.20 mm)

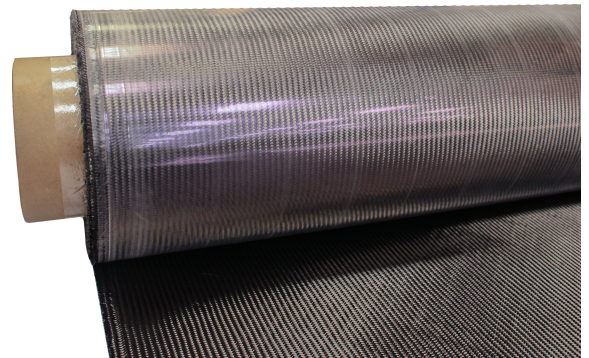
STANDARD FABRIC TOLERANCES

YIELD TOLERANCE: +/-5%

ANGLE TOLERANCE: +/-3°

STANDARD PACKAGING ON 6" CORES

Additional Quality Specifications available upon request



Better With Braid.

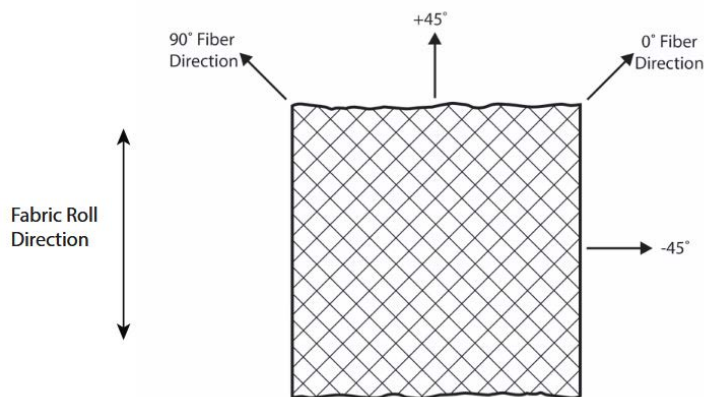
For more information, please visit www.braider.com OR contact a sales rep at sales@braider.com or 513-688-3200



T800HB TX-45 2x2 Twill Data

196 GSM

| Mechanical Properties | Average |
|----------------------------|---------|
| 0° Tensile Str. (ksi) | 143 |
| 0° Tensile Mod. (Msi) | 10.4 |
| 90° Tensile Str. (ksi) | 142 |
| 90° Tensile Mod. (Msi) | 10.2 |
| 0° Compressive Str. (ksi) | 86 |
| 0° Compressive Mod. (Msi) | 9.5 |
| 90° Compressive Str. (ksi) | 86 |
| 90° Compressive Mod. (Msi) | 9.5 |
| In-plane Shear Str. (Ksi) | 11.8 |
| In-plane Shear Mod. (Msi) | 0.5 |



Single batch test data on TC380/T800HB TX-45 is reported above. NIAR qualification of this system began in Q1 2025. For questions regarding testing or braided products, please contact sales@braider.com

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