



Single Layer, Balanced 0°, +/-60° fabric offering:

- Same Properties in Every Direction - No Concern with Misorientation
 - Significant Cost Savings - Easier, Faster Layup with Reduced Waste
 - Superior Performance
- Heavier Weight QISO Fabrics Offer High Drapability Compared to Alternatives

QISO-HW-48

Fabric: 2 x 2 Twill

Raw Material: Bias – T-700 SC 12K 50C (Toray) – 67% of weight
Axial – T-700 SC 12K 50C (Toray) – 33% of weight

Link to carbon fiber datasheets: <https://www.toraycma.com/page.php?id=661>

Fabric Width: 48"

Braid Angle: 0°, +/-60°

Braid Yield: 0.6 yd/lb (1.2 m/kg)

Areal Weight: 661 GSM

Layer Thickness (@55%FV): .03" (.66 mm)

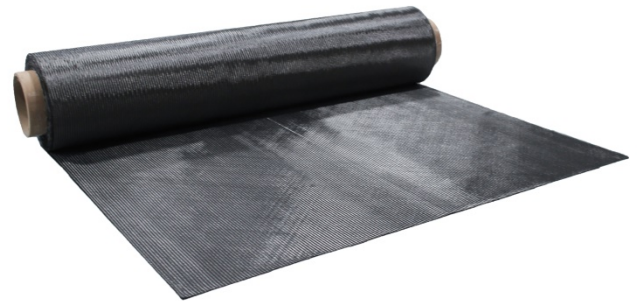
Standard Fabric Tolerances

Yield Tolerance: +/-5%

Angle Tolerance: +/-3°

Standard Packaging on 6" Cores

Additional Quality Specifications available upon request



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

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QISO Light Average Data* 272 GSM

| Mechanical Properties | Average |
|------------------------------|---------|
| 0° Tensile Str. (ksi) | 107 |
| 0° Tensile Mod. (Msi) | 6.9 |
| 90° Tensile Str. (ksi) | 95 |
| 90° Tensile Mod. (Msi) | 6.5 |
| 0° Compressive Str. (ksi) | 85 |
| 0° Compressive Mod. (Msi) | 6.1 |
| 90° Compressive Mod. (Msi) | 6.1 |
| 0° In-plane Shear Str. (ksi) | 47 |
| 0° In-plane Shear Mod. (Msi) | 2.4 |

QISO Heavy Average Data* 536 GSM

| Mechanical Properties | Average |
|------------------------------|---------|
| 0° Tensile Str. (ksi) | 119 |
| 0° Tensile Mod. (Msi) | 6.6 |
| 90° Tensile Str. (ksi) | 110 |
| 90° Tensile Mod. (Msi) | 6.7 |
| 0° Compressive Str. (ksi) | 78 |
| 0° Compressive Mod. (Msi) | 6.1 |
| 90° Compressive Mod. (Msi) | 6.3 |
| 0° In-plane Shear Str. (ksi) | 34 |
| 0° In-plane Shear Mod. (Msi) | 2.4 |

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

QISO - H v. Woven PW Quasi-Isotropic Layup TC275-1 Resin

T700S 12K, Normalized to 55% Vr

