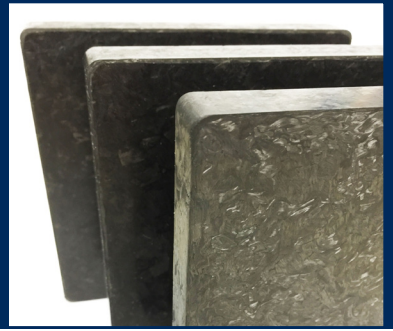


BMC Billet Stock

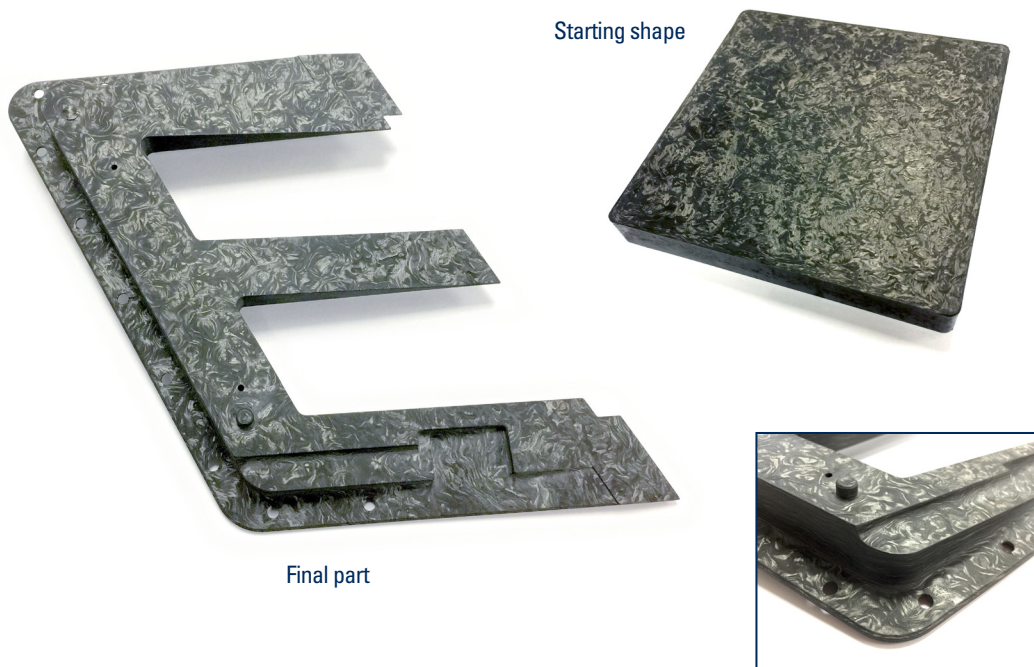


Cost effective fabrication of thick composite structure with chopped fiber **billet stock**.

Billet Block Sizes

(typical thickness 0.5-2.5" / 13-63.5 mm)

- 6" x 6" / 15 x 15 cm
- 8" x 10" / 20 x 25 cm
- 12" x 12" / 30.5 x 30.5 cm
- 18" x 18" / 45.7 x 45.7 cm
- 14" x 28" / 35.6 x 71 cm



Applications

- Hard point attachments
- Prototype/small volume parts
- Initial design of compression molded parts
- Hard to fabricate complex composite parts

MS-4H MECHANICAL PROPERTIES

| Laminate Stock Properties | Method | Condition | Results | |
|----------------------------|------------------------------|-----------|----------|-----------|
| Tensile Strength | TCAC STM 11025 [ASTM D 3039] | RT | 20.9 ksi | 143.9 MPa |
| Tensile Modulus | TCAC STM 11025 [ASTM D 3039] | RT | 4.3 msi | 29.8 GPa |
| Flexural Strength | ASTM D 6272 | RT | 56.1 ksi | 386.5 MPa |
| Flexural Modulus | ASTM D 6272 | RT | 4.3 msi | 29.7 GPa |
| Compressive Strength | ASTM 6484 (No Hole) | RT | 39.3 ksi | 270.9 MPa |
| Compressive Modulus | ASTM 6484 (No Hole) | RT | 5.6 msi | 38.3 GPa |
| Pin Bearing (Single Shear) | ASTM D 5961 Method B | RT | 63.9 ksi | 440.6 MPa |

Benefits

- Part fabrication without the cost of tooling
- Reduces the cost of thick composite laminate manufacturing
- Provides significant labor efficiencies
- Enables complex part fabrication
- Weight reduction of 40% over aluminum

TENCATE ADVANCED COMPOSITES

www.tencateadvancedcomposites.com | E-mail: info@tcac-usa.com

TENCATE
materials that make a difference