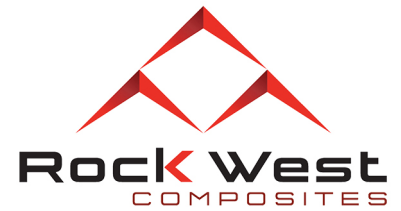
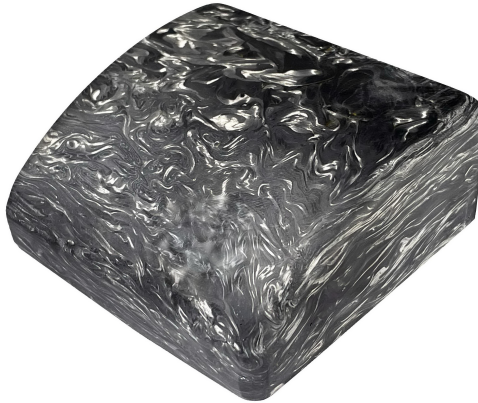


Forged - Product Data Sheet - Calculated Properties

Please note the tensile and compression mechanical properties are generated based on mathematical models and testing is required to verify them

Carbon Fiber Sheet/Bar

PRODUCT DESCRIPTION:



These blocks are manufactured using resin systems and fibers from different material suppliers in order to maintain a diverse and stable supply chain while offering the highest quality product.

Density lbs/in ³ (g/cm ³):	.057 (1.6)
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PRODUCT BENEFITS/FEATURES:

- High Heat Tolerance
- Isotropic Performance

TYPICAL APPLICATIONS:

- Drone Structures
- Industrial Brackets

STANDARD LAMINATE PROPERTIES

Tensile Strength, Ksi (MPa):	>16.5 (113.7)
Tensile Modulus, Msi (GPa):	>6.8 (46.88)
Compression Strength, Ksi (MPa):	>62 (421.5)
Compression Modulus, Msi (GPa):	>6.1 (42.1)

STANDARD FIBER PROPERTIES

Modulus, Msi (GPa):	≥ 33.4 (230)
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STANDARD RESIN PROPERTIES

Resin Type:	Toughened Epoxy
Tg (Dry), °F (°C):	≥ 250 (121)

STANDARD LAYUP

Blocks are manufactured using randomly oriented discontinuous fibers. Resulting mechanical properties are generally isotropic.