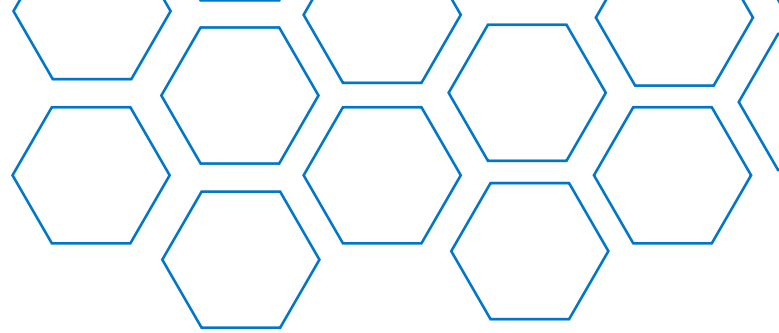




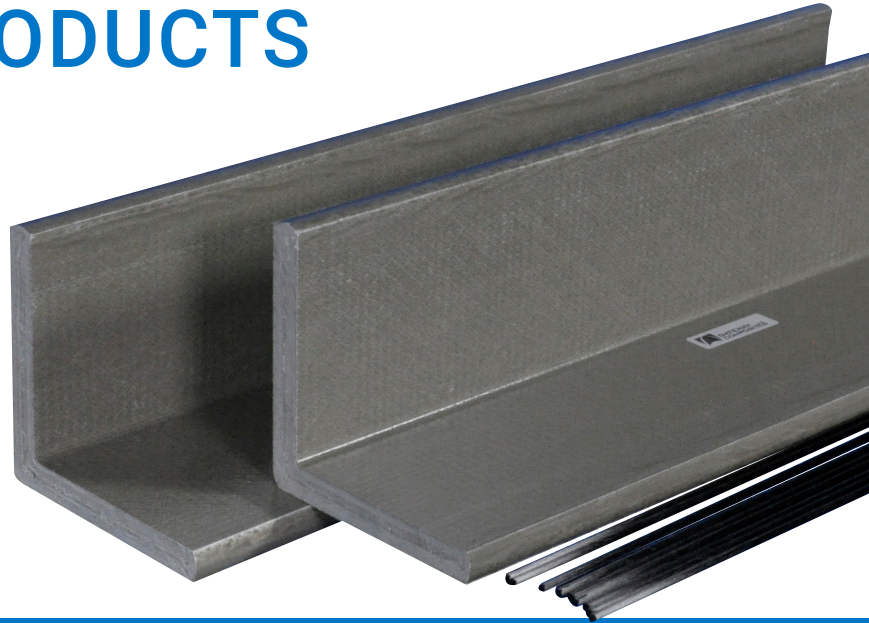
GATEWAY LLC
COMPOSITES



COMPOSITE PRODUCTS

RODS AND ANGLES

We provide composite products (rods, bars, angles, tubes and strips) that are lightweight, anti-corrosive and yield high performance mechanical properties for multiple applications. Carbon fiber reinforcements exhibit high strength to weight ratios. The composites have very low coefficient of thermal expansion with excellent corrosion and fatigue resistance. Gateway Composites provides users with a range of geometries (length, width, thickness, diameter) of which all tensile strength, modulus, length, width, thickness, diameter can be customized to meet customer requirements.



PRODUCT CONSISTENCY

Batch to batch consistency in critical to quality characteristics (CTQs). In-line process controls confirmed by in-house lab testing. Quality policies that result in consistent performance cosmetics and handling.

TECHNICAL SUPPORT

Gateway Composites' products are engineered with the understanding of what is important to the processor and the end user. We can satisfy your needs whether your appreciation is tooling, sporting goods, infrastructure, marine, automotive or industrial.

PRODUCT CUSTOMIZATION

Application specific products can be customized to meet mechanical fiber performance requirements, length, width, diameter, strength and thickness.

PROPERTIES

Typical Carbon Fiber Properties used in Composite Products Construction

	English	Metric
Tensile Strength	≥700 ksi	≥4826 MPa
Tensile Modulus	≥33 msi	≥228 GPa

PROPERTIES

Typical Composite Properties

	Strip	Rod
Tensile Strength	400 ksi	320
Tensile Modulus	22.5 msi	19.5

- Carbon Fiber/Epoxy Rod diameter range: 0.125 inch to 1.00 inch
- Carbon Fiber/Epoxy Strip thickness: 0.04 inch to 0.40 inch
- Carbon Angle dimension: 4 inch x 4 inch x 0.5 inch thick



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