



**GATEWAY  
COMPOSITES** LLC



# Chopped Carbon Fibers

Gateway Composites' new "Comp3" product line incorporates a proprietary blend of fibers, specific aspect ratios and sizing chemistry to enhance particular characteristics necessary for optimum processing and application performance.

## Feed-ability

Excellent bundle integrity with high bulk density means consistent feed rates with no nesting or bridging.

## Product Consistency

Batch to batch consistency in properties. In-line process controls confirmed by in-house lab testing.

## Chemical Compatibility

Sizing chemistry that works with the matrix resulting in proper filament dispersion and adhesion.

## Application-Specific Products

Fibers and sizing chemistry options available for the customer's specific CTQs (critical to quality) characteristics.

## TYPICAL CHARACTERISTICS

Physical Form	Chop Pellet
Lengths	6 mm typical
Sizing/Finish	Broad Range Thermoplastic, PPO/mPPO specific High Temp Thermoplastic, PC specific, Epoxy
Moisture	<0.1%
Bulk Density	400 min (g/l)
Fiber Tensile Properties	Strength 600 ksi   Modulus 33msi
Fiber Resistivity	$1.4 \times 10^{-3}$ ohm cm - $1.6 \times 10^{-3}$ ohm cm

## Packaging

Single Box Dimension	15 x 15 x 15 inch cube, 4 mil poly bag liner
Single Box Weight	40 lbs. net carbon fiber
Pallet Load	27 boxes, 1080 lbs. net carbon fiber

It is the responsibility of each purchaser and end user of each FIBERLOCK™ product to determine the suitability of the Product for its intended use. Prior to using any Product, consult a qualified design professional for advice regarding the suitability and use and application of the Product, including whether the capacity of any structural element may be impacted by a repair. "Dry Fiber Properties" are confirmed by Certificate from the fiber manufacturer. "Laminate Properties" are to be used by technically skilled persons at their own discretion and risk. The properties do not constitute any warranty or guarantee. AJI values are for material selection purposes only. An externally applied CFRP system is a vapor barrier. Consult with a licensed, professional engineer to evaluate the results of encapsulating a porous substrate. The installer must read, understand and follow all written instructions, and warnings contained on the product label(s), Product Data Sheet(s), Safety Data Sheet(s) and the [www.gatewaycomposites.com](http://www.gatewaycomposites.com) website prior to use. For use only by qualified applicators.

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