



**GATEWAY** LLC  
**COMPOSITES**

# GATEWAY COMPOSITES

## Chopped Carbon Fibers

### C3 Innovation

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.

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

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

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

### 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 application is electrical, mechanical, thermal or friction related.

Contact us at 636-265-2020

	TYPICAL CHARACTERISTICS	
Physical Form	Chopped Flake, Pellet and Comp3	
Length(s)	6mm standard, 3 and 12mm available	
Sizing/Finish	Broad Range Thermoplastic, PPO/mPPO specific, High Temp Thermoplastic, PC specific, Epoxy	
Moisture	<0.2%	
Bulk Density	Flake 250-350, Pellet and C3 400-550 (g/l)	
Fiber Tensile Properties	Strength 500ksi, 700ksi, 800ksi	Modulus 30msi, 33msi, 42msi
Fiber Resistivity	1.4 x 10 <sup>-3</sup> ohm cm - 1.6 x 10 <sup>-3</sup> 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

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