HexTow® PAN based carbon fiber is available in 1/4 inch chopped fiber lengths, sized for compatibility with various resin matrix systems and processes. The chopped product is small, thin, rectangular flake, 1/4 inch long by 1/8 to 1/4 inch wide. The individual filaments are lightly held together by the sizing and will break apart during subsequent processing.

The specially formulated sizing systems, in addition to improving bonding, produce a higher bulk density that aids in blending operations and in the flow through mechanical feed systems.

Addition of chopped carbon fiber to molding compounds produces a material that exhibits high strength and modulus, excellent fatigue and creep resistance, low thermal expansion, electrical and thermal conductivity, excellent friction and wear resistance, and low shrinkage.

**Available Chopped Carbon Fiber Products**

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Chopped Carbon Fiber Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>IM Carbon Fiber</td>
<td>%</td>
<td>100</td>
</tr>
<tr>
<td>AS Carbon Fiber</td>
<td>%</td>
<td>0</td>
</tr>
<tr>
<td>Fiber Length*</td>
<td>in</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>6.4</td>
</tr>
<tr>
<td>Standard Packaging</td>
<td>lbs</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>kg</td>
<td>18.1</td>
</tr>
</tbody>
</table>

**Available Chopped Carbon Fiber Sizing Systems**

<table>
<thead>
<tr>
<th>Sizing Type</th>
<th>Units</th>
<th>1900</th>
<th>1925</th>
<th>BR102</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sizing Content</td>
<td>wt. %</td>
<td>3 - 7%</td>
<td>3 - 7%</td>
<td>4 - 8%</td>
</tr>
<tr>
<td>Size Compatibility**</td>
<td>Polyamide (nylon)</td>
<td>Polyamide (nylon), Polycarbonate, Polyphenylene sulfide, Polyurethane, PE, Polyester</td>
<td>Polycarbonate, Polysulfone, Epoxy</td>
<td></td>
</tr>
</tbody>
</table>

*Other fiber lengths available on request

** Compatibility with these Matrices is considered theoretically compatible. Hexcel cannot guarantee their results.
Carbon Fiber Certification
This carbon fiber is manufactured to Hexcel industrial specification HS-CP-1000. A copy of this specification is available upon request. A Certification of Conformance will be provided with each shipment.

Available Sizing
Chopped carbon fiber sized with other resins (to customer’s specifications) will be considered on special request. Contact our technical team for additional information.

Packaging
Chopped carbon fiber is packaged in polyethylene bags and packed in boxes typically containing 40 pounds. Each box shipped is packaged to prevent handling and shipping damage. Box labeling includes: fiber type, Hexcel lot number, and net weight. Packaging shall meet the Uniform Freight Classification Ratings Rules and Regulations or other requirements, when applicable.

Safety Information
Obtain, read, and understand the Material Safety Data Sheet (MSDS) before use of this product.

For more information
Hexcel is a leading worldwide supplier of composite materials to aerospace and industrial markets. Our comprehensive range includes:

- HexTow® carbon fibers
- HexForce® reinforcements
- HexPly® prepregs
- HexMC® molding compounds
- HexFlow® RTM resins
- Redux® adhesives
- HexTool® tooling materials
- HexWeb® honeycombs
- Acousti-Cap® sound attenuating honeycomb
- Engineered core
- Engineered products

For US quotes, orders and product information call toll-free 1-866-556-2662. For other worldwide sales office telephone numbers and a full address list, please go to:

http://www.hexcel.com/contact/salesoffice

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