GLOBAL SALES NETWORK

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Note:
Carbon fiber and its related products are subject to control under export/import regulations of each country.
Hyosung Advanced Materials Corporation

Hyosung Advanced Materials began as a business unit dealing with industrial yarn as part of Dongyang Nylon and Dongyang Polyester, the founding fathers of Hyosung Group, and has continued to grow to become a leading global material vendor offering some of the world's finest products based on proprietary technologies and non-stop innovation.

Our products including high strength industrial yarn and fabric and materials for steel wire are widely used in a variety of industry sectors including automotive, civil engineering and architecture, agriculture and military logistics. We maintain our competitive edge by developing high caliber global products including tire cord, yarn for automobile seat belts and fabric for airbags, and developing and commercializing new materials that will help us grow sustainably.

Our goal is to transform ourselves from a vendor of products featuring world-class quality and performance to a solution provider that prioritizes user safety and comfort.

Hyosung’s Global No.1 Businesses

Hyosung Carbon Fiber - History

2008

- Started Carbon Fiber Development
2010

- Successfully Developed H2500 Precursor & Carbon
2013

- Established Commercial Plant in Jeonju, Korea (CF Capa. : 2,000MT/yr)
2014

- Approved Corporate Investment Plans for the Commercial Production Line Established Semi-Commercial Line in Jeonju, Korea (CF Capa. : 500MT/yr)
2020

- 2nd Line added Carbon Fiber Caja : 4,000 MT/yr Precursor Capa. : 6,000 MT/yr

Hyosung Carbon Fiber - The Number 1 High Strength Carbon Fiber in the World

- Produces own precursor - Hyosung’s own Technology
- Fully controlled continuous process from raw material to carbon fiber
- Technology development capability
- Customer technical support
- High Strength carbon fiber
- High Translation of fiber properties

Typical Tow Properties

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Number of Filaments</th>
<th>Tenaxia Strength SI Units (Kg)</th>
<th>Tenaxia Modulus SI Units (Kg)</th>
<th>Strain (%)</th>
<th>Denstity (g/cm³)</th>
<th>Filament Diameter (μm)</th>
<th>Yield (g/km)</th>
<th>Sizing Level (%)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2500</td>
<td>6,000</td>
<td>5,516</td>
<td>800</td>
<td>250</td>
<td>36.3</td>
<td>2.2</td>
<td>1.80</td>
<td>7.0</td>
<td>600</td>
</tr>
<tr>
<td>H3055</td>
<td>12,000</td>
<td>5,516</td>
<td>800</td>
<td>250</td>
<td>36.3</td>
<td>2.2</td>
<td>1.80</td>
<td>7.0</td>
<td>800</td>
</tr>
<tr>
<td>H3055</td>
<td>24,000</td>
<td>5,516</td>
<td>800</td>
<td>250</td>
<td>36.3</td>
<td>2.2</td>
<td>1.80</td>
<td>7.0</td>
<td>800</td>
</tr>
</tbody>
</table>

Typical Composite Properties

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>6K</th>
<th>US Units</th>
<th>12k</th>
<th>US Units</th>
<th>24k</th>
<th>US Units</th>
<th>30k</th>
<th>US Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>2,950 MPa</td>
<td>4280 Kb</td>
<td>2,950 MPa</td>
<td>4280 Kb</td>
<td>2,950 MPa</td>
<td>4280 Kb</td>
<td>2,950 MPa</td>
<td>4280 Kb</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>160 GPa</td>
<td>23,456 Mb</td>
<td>160 GPa</td>
<td>23,456 Mb</td>
<td>160 GPa</td>
<td>23,456 Mb</td>
<td>160 GPa</td>
<td>23,456 Mb</td>
</tr>
<tr>
<td>Tensile Strain</td>
<td>2.00 %</td>
<td>1.80 %</td>
<td>2.00 %</td>
<td>1.80 %</td>
<td>2.00 %</td>
<td>1.80 %</td>
<td>2.00 %</td>
<td>1.80 %</td>
</tr>
</tbody>
</table>

The above properties do not constitute any warranty or guarantees. These values are for material selection purposes only.

Standard Packaging

- Produces own precursor - Hyosung’s own Technology
- Fully controlled continuous process from raw material to carbon fiber
- Technology development capability
- Customer technical support
- High Strength carbon fiber
- High Translation of fiber properties

Typical Tow Properties

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Number of Filaments</th>
<th>Spool Net Weight (kg)</th>
<th>Bobbin Size (mm)</th>
<th>Spool Per Case (Bags)</th>
<th>Case Net Weight (kg)</th>
<th>Pallet Net Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High, Strength, Standard Modulus</td>
<td>H2500</td>
<td>6,000</td>
<td>2.0</td>
<td>76</td>
<td>84</td>
<td>110</td>
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<tr>
<td>High, Strength, Intermediate Modulus</td>
<td>H3055</td>
<td>12,000</td>
<td>4.0</td>
<td>76</td>
<td>84</td>
<td>155</td>
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<tr>
<td>High, Strength, Intermediate Modulus</td>
<td>H3050</td>
<td>24,000</td>
<td>4.0</td>
<td>76</td>
<td>84</td>
<td>155</td>
</tr>
</tbody>
</table>

*Inside Pull

Application

- We truly appreciate your encouragement and support for us and pledge to channel our resources to R&D efforts and innovation to repay our thanks with solutions that can help improve your quality of life. Please keep watching us grow into a more reputable company not only among our partners and customers but also throughout the global community by fulfilling our social responsibility based on moral integrity.

Factory Site