



**HexTow<sup>®</sup> AS2C**  
Carbon Fiber

*Product Data*

HexTow<sup>®</sup> AS2C carbon fiber is a continuous, high strength, high strain, PAN based fiber available in 3,000 (3k) filament count tows. This fiber has been surface treated and can be sized to improve its interlaminar shear properties, handling characteristics, and structural properties, and is suggested for use in weaving.

<b>Typical Fiber Properties</b>	<b>U.S. Units</b>	<b>SI Units</b>
Tensile Strength	644 ksi	4,440 MPa
Tensile Modulus (Chord 6000-1000)	32 Msi	221 GPa
Ultimate Elongation at Failure	1.9%	1.9%
Density	0.0650 lb/in <sup>3</sup>	1.80 g/cm <sup>3</sup>
Weight/length 3k	11.2 x 10 <sup>-6</sup> lb/in	0.200 g/m
Approximate yield 3k	7,442 ft/lb	5.00 m/g
Tow cross-sectional area 3k	1.72 x 10 <sup>-4</sup> in <sup>2</sup>	0.11 mm <sup>2</sup>
Filament Diameter	0.270 mil	6.9 microns
Carbon Content	94.0%	94.0%
Twist	Never Twisted	Never Twisted

### **Carbon Fiber Certification**

This carbon fiber is manufactured to Hexcel industrial grade specification HS-CP-3000. A copy of this specification is available upon request. A Certificate of Conformance will be provided with each shipment.

### **Available Sizing**

Sizing compatible with various resin systems, based on application are available to improve handling characteristics and structural properties. Please see additional information on available sizes on our website or contact our technical team for additional information.

### **Packaging**

Standard packaging of HexTow<sup>®</sup> AS2C is as follows:

<b>Filament Count</b>	<b>Nominal Weight</b>		<b>Nominal Length</b>	
	<b>(lb)</b>	<b>(kg)</b>	<b>(ft)</b>	<b>(m)</b>
3k	4.0	1.8	29,770	9,070

Other package sizes may be available on request. The fiber is wound on a 3-inch ID by 11-inch long cardboard tube and overwrapped with plastic film.

### **Safety Information**

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

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**Important**

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**For more information**

Hexcel is a leading worldwide supplier of composite materials to aerospace and other demanding industries. Our comprehensive product range includes:

- Carbon Fiber
- RTM Materials
- Honeycomb Cores
- Carbon, Glass, Aramid and Hybrid Prepregs
- Structural Film Adhesives
- Honeycomb Sandwich Panels
- Special Process Honeycombs
- Reinforcement Fabrics

For US quotes, orders and product information call toll-free 1-866-556-2662 and 1-800-987-0658. For other worldwide sales office telephone numbers and a full address list, please click here: <http://www.hexcel.com/contact/salesoffice>