HexTow® AS4D-PC/3K
Carbon Fiber

HEXCEL®

Product Data Sheet

HexTow® AS4D-PC/3K carbon fiber is a continuous PAN-based fiber available in 3,000 (3K) filament count tows. This fiber has been surface treated and is sized to improve its composite compatibility, handling characteristics, and structural properties. It is suggested for weaving applications into polycarbonate resins.

Typical Fiber Properties	U.S. Units	SI Units
Tensile Strength	665 ksi	4,586 MPa
Tensile Modulus (Chord 6000-1000)	35 Msi	242 GPa
Ultimate Elongation at Failure	1.8%	1.8%
Density	0.0647 lb/in^3	1.79 g/cm^3
Weight/Length (3k)	11.2 x 10^{-6} lb/in	0.200 g/m
Approximate Yield (3K)	7,424 ft/lb	5.0 m/g
Filament Diameter	0.273 mil	6.9 microns

Available Sizing

PC size was developed for compatibility into polycarbonate resin systems. It offers improved handling characteristics for weaving while offering thorough wet out performance and thermal stability in polycarbonate cure cycles.

Packaging

Standard packaging of HexTow® AS4D-PC/3K is as follows:

Filament Count	Sizing	Nominal Weight		Nominal Length	
		(lb)	(kg)	(ft)	(m)
3K	PC	4.0	1.8	29,760	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 Safety Data Sheet (SDS) 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
- HiMax® multiaxial reinforcements
- HexPly® prepregs
- HexAM® additive manufacturing
- HexMC® molding compounds
- HexFlow® RTM resins
- HexBond® adhesives
- HexTool® tooling materials
- HexWeb® honeycomb
- Acousti-Cap® sound attenuating honeycomb
- Engineered core
- Engineered products
- Polyspeed™ laminates

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

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