

Carbon Fiber made with HexTow® AS4C - Industrial

Carbon Fiber Tow is a continuous, high strength, high strain, PAN based fiber, that has been surface treated and is suitable as a reinforcement in small, high strength, low weight structures.

FIBER PROPERTIES

PROPERTY	3K	6K	12K
Tensile Strength	650 ksi	650 ksi	650 ksi
Tensile Modulus	33.5 Msi	33.5 Msi	33.5 Msi
Ultimate Elongation at Failure	1.8%	1.8%	1.8%
Weight/Length	11.2 x 10 ⁻⁶ lb/in	22.4 x 10 ⁻⁶ lb/in	44.8 x 10 ⁻⁶ lb/in
Approximate Yield	7,441 ft/lb	3,721 ft/lb	1,861 ft/lb
Tow Cross-Sectional Area	1.74 x 10 ⁻⁴ in ²	3.48 x 10 ⁻⁴ in ²	6.97 x 10 ⁻⁴ in ²
Filament Diameter	0.272 mil	0.272 mil	0.272 mil
Carbon Content	94.0%	94.0%	94.0%
Fiber Volume	60.0%	60.0%	60.0%
Density	0.0643 lb/in ³	0.0643 lb/in ³	0.0643 lb/in ³
Twist	Never Twisted	Never Twisted	Never Twisted



PRODUCT GRADE

- HS-CP-3000 Hexcel Industrial Grade

USES INCLUDE

- Weaving
- Prepregging
- Filament Winding
- Braiding
- Pultrusion

COMPATIBILITY

- Compatible with polyester, vinyl-ester and epoxy resins