

CARBON FIBER FILAMENT YARN

1K | 3K | 6K | 12K | 24K

High Strength, Lightweight
for Advanced Composites



Lightweight
High Strength



High
Modulus



Excellent
Fatigue Resistance



Chemical
Stability



High Temperature
Tolerance



*Stronger Materials
Broader Possibilities*

Product Introduction

Carbon fiber filament yarn is a high-performance material featuring high strength, high modulus, low density and excellent fatigue and corrosion resistance. It is widely used in aerospace, automotive, wind energy, sporting goods and high-performance composites.

Available Specifications



- Stable Quality
- Customized Sizes
- Samples Available
- Global Supply

*Your Reliable
Material Partner*

Typical Technical Data (Reference)

Property	1K	3K	6K	12K	24K	Test Method
Tensile Strength (MPa)	≥ 4000	≥ 4000	≥ 4000	≥ 4000	≥ 4000	ASTM D4018
Tensile Modulus (GPa)	230-240	230-240	230-240	230-240	230-240	ASTM D4018
Elongation at Break (%)	1.5-1.8	1.5-1.8	1.5-1.8	1.5-1.8	1.5-1.8	ASTM D4018
Density (g/cm³)	1.76-1.80	1.76-1.80	1.76-1.80	1.76-1.80	1.76-1.80	-
Filament Diameter (μm)	6.5-7.5	6.5-7.5	6.5-7.5	6.5-7.5	6.5-7.5	ASTM D4018
Sizing Type	Epoxy / PU (others on request)					-
Color	Black					-

Note: The above data are typical values for reference only. Final values are subject to our factory's official TDS.

Application Areas



Aerospace & Aviation
Aircraft structures, interior components



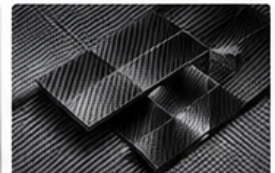
Automotive
Lightweight components, structural parts



Wind Energy
Wind turbine blades, structural reinforcement



Sporting Goods
Bicycles, golf shafts, sports equipment



Composite Materials
High-performance composites

