

► 碳纤维原丝 CARBON FIBER PRECURSOR

碳纤维原丝 / Carbon Fiber Precursor		
原丝重量 / Raw silk weight	300kg	500kg
最大直径 / Maximum diameter	800mm	940mm
K数 / Range	12-50K	12-50K
纱管内径 / Tube inner diameter	133±1mm	133±1mm
纱管长度 / Tube length	810mm	920mm

原丝制备是碳纤维制备的核心环节，其质量和成本很大程度上决定了碳纤维的质量和生产成本。本产品是聚丙烯腈基碳纤维的原料-丙烯腈，聚丙烯腈基碳纤维具有密度小、强度大、导电性好、耐高温、耐腐蚀的优点，它的柔性性让其可编织加工、缠绕成型。

Raw filament preparation is of overriding importance in carbon fiber preparation, because its quality and cost determine the quality and production cost of carbon fiber. This product, acrylonitrile, is the raw material of polyacrylonitrile-based carbon fiber, which features low density, high strength, good electrical conductivity, high temperature resistance and corrosion resistance, and its flexibility also allows it to be woven, processed and wound.



■ 产品优势 / PRODUCT ADVANTAGES


 耐光性好
GOOD LIGHTFASTNESS

 抗菌性好
GOOD ANTIBACTERIAL PROPERTIES

 耐腐蚀
CORROSION RESISTANT

 强度高
HIGH STRENGTH

 柔曲性好
GOOD FLEXIBILITY

 耐高温
HIGH TEMPERATURE RESISTANCE

► 碳丝 CARBON FIBER

碳丝 / Carbon Fiber	
纤维规格 / Range	12K~50K
抗拉强度等级 / Tensile strength grade	T300/T700/T800
弹性模量 / Modulus of elasticity	200-700GPA
伸长率 / Elongation	1.3-1.6%

碳纤维是一种含碳量在90%以上的高强度、高模量的新型纤维材料，具有质量轻、强度高、耐腐蚀、高模量、密度低、无蠕变、非氧化环境下耐超高温、耐疲劳性好、良好的导电导热性能等特性，不仅具有碳材料的固有无本征特性，还兼备纺织纤维的柔软可加工性，是新一代增强纤维。

Carbon fiber is a new fiber material with high strength and high modulus. It contains over 90% carbon content featuring light weight, high strength, anti-corrosion, high modulus, low density, creep free, high temperature resistance in a non-oxidizing environment, fatigue resistance and sound electric and thermal conductivity, etc. It is not only endowed with the basic traits of carbon materials, but also has the traits of textile fibers that are soft and processable. Carbon fiber is a new generation of reinforcing fiber.



■ 产品优势 / PRODUCT ADVANTAGES

 质量轻
LIGHT WEIGHT

 无蠕变
CREEP FREE

 导电性好
ELECTRIC CONDUCTIVITY

 强度高
HIGH STRENGTH

 耐超高温
ULTRA-HIGH TEMPERATURE RESISTANCE

 导热性好
THERMAL CONDUCTIVITY

 耐腐蚀
CORROSION RESISTANT

 耐疲劳性好
FATIGUE RESISTANCE

 高模量
HIGH MODULUS