

Carbon Fiber CRSTY45S-24K

Product Data Sheet

Characteristics of Carbon fiber CRSTY45S-24K

- * Yarn of CRSTY45S-24K is a PAN (Polyacrylonitrile) precursor of carbon fiber. It is characterized by High strength, Low weight, Good looking, High modulus. It is much stronger than steel in terms of strength-to-weight ratio. The weight of carbon fiber is only about one-fifth of that of steel. CRSTY45S-24K has a high resistance to temperature change.
- * Weaving is possible by plain and twill structure
- * It is not twist yarn.



Application

- * With excellent mechanical properties, CRSTY45S-24K could meet the requirements of various application fields such as the wind turbine blades for large scale, lightweight & durability; the preparation process of high-performance hot melt prepreg & solvent prepreg for Sports and Automobiles

Properties

CRSTY45S-24K

Characteristics	Unit	Specification	Test Method
Tensile Strength	GPa(kgf/cm ²)	405	GB/T3362-2017
Tensile Modulus	GPa(kgf/cm ²)	230	GB/T3362-2017
Strain	%	1.9	GB/T30019-2013
Density	g/cm ³	1.79	GB/T30019-2013
Linear Density	g/kg	1600	GB/T3362-2017
Sizing Type		Epoxy	
Sizing Amount	%	1.00%	
Twist		Never	

Packing

Tow	Bobbin (net KG)	Bobbin Size (mm)					Spools Per case	Case Net weight KG
		a	b	c	d	e		
24K	6	76	82	280	188	260	6	36

