

Carbon Fiber CRSTY45S-12K

Product Data Sheet

Characteristics of Carbon fiber CRSTY45S-12K

- * Yarn of CRSTY-45S-12K 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-12K has a high resistance to temperature change.
- * Weaving is possible by plain and twill structu
- * It is not twist yarn.



Application

- * With excellent mechanical properties, CRSTY45S-12K could meet the requirements of varies application fields such as the wind turbine blades fo large scale, lightweight and durability; the preparation process of high-performance hot melt prepreg and solvent prepreg for Sports & Automobiles.

Properies

CRSTY45S-12K

Characteristics	Unit	Specification	Test Method
Tensile Strength	GPa(kgf/cm ²)	4.5	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	800	GB/T3362-2017
Sizing Type		Epoxy	
Sizing Amount	%	1.00%	
Twist		Never	

Packing

Tow	Bobbin (net KG)	Bobbob Size (mm)					Spppls Per case	Case Net weight KG
		a	b	c	d	e		
12K	4	76	82	280	155	263	6	24

