REGAL

Technical Date Sheet

Carbon Fiber Yarn Test Report

Test Item	Test Standard	Standard Range	Test Result
Line Density(g/km)	GB/T 3362-2005	192-204	199
Density(g/cm^3)	GB/T 3362-2005	1.78-1.82	1.79
Tensile Strength(MPa)	GB/T 3362-2005	⩾4000	4060
Tensile Strength Cv(%)	GB/T 3362-2005	⩽5.0	5.0
Tensile Modulus(GPa)	GB/T 3362-2005	220-260	250
Content of Glue(%)	GB/T 26752-2001	0.6-0.8	0.7
Test Item	Test Standard	Standard Range	Test Result

Packaging

Product is manufactured in form of a roll wound on a paper tube. Each roll is packed in a plastic bag and carton . Positioned securely on to a pallet, strapped and covered.

Storage

It is recommended that the carbon fiber fabric are stored in a cool and dry environment . Recommended temperature range of storage is between 10-30℃ and relative humidity between 50-75%. The fabric should remain in the packaging until just prior to use. Pallets should be stacked only one high.

Carbon Fiber Woven Fabric

Carbon Fiber woven fabrics are made of carbon fiber, which is interweaved by a certain rule on the loom. According to the weaving methods, it can be classified into plain fabrics, twill fabrics, satin weave fabrics and unidirection fabrics . Carbon fiber woven fabrics are widely used in high performance composites such as aircraft parts, auto parts and wind turbine blades, and semi-finished carbon fiber prepreg.

Advantages

- Lightweight
- High tensile strength
- Lowthermal expansion
- Exceptional durability
- Corrosion-resistance

Identification

Length: 100m per roll Width: 150cm
Raw Material: 100% carbon fiber fabric

3k 200g Carbon Fiber Typical Data

TECHNICAL INFORMATION		
Item		Design Value
Thickness		0.25mm
Fiber yarn	Warp	3K
	Weft	3K
Density of Warp & Weft (Mem)	Warp	5
	Weft	5
Weight		2Q0gsm
Weave Type		Flain/TwiU