



Toray 3K Carbon Fiber Fit Blade Multirotors High Temperature And High Pressure Forming

Our Product Introduction

Basic Information

- Brand Name: GS
- Model Number: M16
- Minimum Order Quantity: 1
- Price: Negotiable
- Delivery Time: 6~8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Body Material: Toray 3K Carbon Fiber
- Production Process: High Temperature And High Pressure Molding
- Casing Thickness: Conventional 0.6mm
- Case Weight: 5KG
- Chassis + Power Equipment Weight: 12.2KG
- Equivalent Wheelbase: 1670mm
- Number Of Rotors: 6
- Expansion Size: 1760mm*1530mm*700mm
- Folding Size: 760mm*760mm*640mm
- Standard Size Of Battery Compartment: 250mm*180mm*100mm
- Recommended Load: 15KG
- No-load Life: > 50min
- Load 10KG Endurance: > 30min

Product Description

Toray 3K carbon fiber fit blade multirotors High temperature and high pressure forming

Application field

1.Law enforcement evidence collection2.Security patrol3.Traffic control4.Film and television shooting5.Infrared inspection6.Hydraulic survey7.Flood control command8.Field inspection9.Construction surveying and mapping10.Wildlife detection11.Forest fire detection12.Production safety inspection



Forming carbon fiber parts, such as rotor blades, at high temperatures and pressures involves a process called autoclave curing.

Prepreg lay-up: Toray 3K carbon fiber is usually used in the form of prepreg (prepreg) board, which is a carbon fiber braided fabric impregnated with a resin matrix. These prepreg plates are layered into the desired shape of the blades according to specifications for stiffness, aerodynamics and strength.

Forming: The prepreg layer is placed into a mold designed for multiple rotor blades. The mold can have the precise aerodynamic shape required for optimal performance.

Autoclave curing: The mold containing the prepreg is then placed in an autoclave where it is subjected to high pressure and heat. The pressure forces the resin into all the nooks and crannies of the carbon fiber braid, ensuring full curing. The high temperature activates the curing agent of the resin, causing it to harden and bond the fibers together to form a strong, lightweight structure.

Finishing: After curing, the blades may undergo additional procedures such as dressing, polishing and coating to prevent UV degradation, weathering or environmental damage. The final product is lightweight but very strong and can withstand the pressures of high speed flight and variable atmospheric conditions.

Company image



Our Services

1. We provide 1 Year Warranty. Buy with confidence.
2. If you are not satisfied when you receive your item, please return it within 14 days for a replacement or money back. Please contact me before you return it.
3. If item is defective in 3 months, We will send you a replacement without extra charger, or offer refund after we receive the defective item.
4. If item is defective after 3 months, you can still send it back to us. We will send you a new one after receiving the defective item. But you have to pay the extra shipping fee.



FAQ

Q1: Do you support OEM/ODM?

A1: Yes. We can print your logo on the product.

Q2: About samples.

A2: Under normal circumstances, samples will be ready within 7 days, and 10-20 days for OEM/ODM orders. Sample fee and shipping will be charged.

Q3: What is the delivery time?

A3: For regular orders, we can ship within 15 days, for OEM/ODM, we can ship within 25-45 days (depending on the quantity). In the event of delays, we will notify you in advance of the status and resolution.

Q4: What is the minimum order quantity?

A4: There is no MOQ for wholesale (1 piece accepted), including OEM/ODM.

Q5: What are your payment terms?

A5: L/C.TT100%.

Q6: Can you reduce the shipping cost?

A6: When calculating the shipping cost for you, we always choose the cheapest and safest express. Although we have partnerships with shipping companies, we can't keep costs down because it's not us who get paid. If you think it's expensive for you. You can always make your own choice.

Q7: Return policy.

A7: If you want to replace the received item, you must contact us within 7 days after receiving the item. Returned items should be in their original condition and you should pay for additional shipping.



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