

# **Purchasing Best Carbon Fibre Bike Helmet**

## **The description of carbon fibre bike helmet:**

- Super lightest : only 260g, well-ventilated, with very cooling air tunnel and reasonable aero shape design.
- Three-dimensional duct design: This design is very aerodynamic drag coefficient is small , in the process of riding , people wear more cool.
- In-mold technology, when the helmet by the impact , the entire helmet uniform force.
- The high quality eco-friendly high temperature resistant PC shell & carbon fiber.
- The high density black EPS material is imported from American,
- The bicycle accessories: adjustable chin strap with quick-release buckle; rear lock adjustment; cool comfortable pads;
- Certification: CE-EN1078 certified for impact protection.

## **The specification of best carbon helmets:**

Model No.	AU-BG01
Material	EPS foam & PC + carbon fiber shell double in-mold technology
Certification	CE EN1078
Vents	26 air vents
Color	Pantone, customized
size/head circumference	M/L (58-62CM)
Weight	260g
Sample Time	3 days
MOQ	200pcs
Package details	PP bag+individual color box packing+master carton

## **The detail pictures of carbon fiber helmet**







### ***The Customized accessories:***

So far, we have been manufacturing & exporting different kinds of helmets for more than 24 years. You can purchase latest design quality helmets here as well as personalize your own designs since we can provide a strong R&D support. We provide different options for custom service that you can select the different helmet color, different strap color, LOGO custom service, inner pad design, divider color, different strap buckle color, and we can provide different head adjusters even different colors for visors.

NYLON WEBBING					
	PLA2001	PLA2135	PLA2008	PLA2057	PLA2191
	PLA2081	PLA2020	PLA2242	PLA2179	PLA2106
PLA2051	PLA2012	PLA2148	PLA2304	PLA2204	
PLA2034	PLA2041	PLA2273	PLA3880		

					LOGO STICKER

LINING						
	PLA6000	PLA6010-10	PLA6211-02	PLA6325-08	PLA6317	PLA6520

DIVIDER (1)						
	-111	-36	-116	-119	-00	-120
DIVIDER (2)						
	-01	-07	-107	-114	-36	-111
	-116	-106	-117	-113	-105	-110
-00	-115	-109	-112	-104		

	-114		-36		-107		-07		-106		-01
	-113		-104		-117		-115		-116		-00
	-112		-111		-109						

STRAP  
BUCKLE

BUCKLE						
	-105	-106	-01	-107	-07	-114
-110	-104	-116	-117	-106	-112	
-115	-111	-00	-109	ITW	MAGNET	

SIZE ADJUSTMENT					
	PLA5022	PLA5073	PLA5285	PLA5406	PLA5663
PLA5058	PLA5127-00	PLA5127	PLA5388-13	PLA5388-01	

					VISOR
PLA1213-00	PLA1213	PLA0481-18	PLA0481	PLA0083-09	
PLA0267	PLA0267-07	PLA0872A	PLA0872-113	PLA0083	



## Facility Show:

1. Carbon Fiber Helmet made by Extrusion blow molding process

### Carbon fiber helmet mold in vacuum forming



2. Autoclave Processing (Vacuum bagged)

## Autoclave Processing (Vacuum bagged)



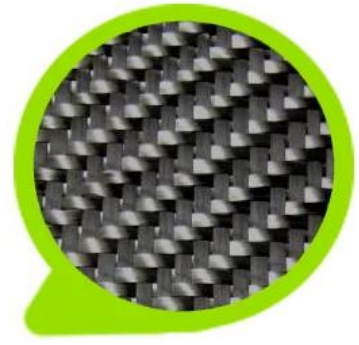
**Raw Material Show:**



UD Tow



12k Tow



3k Tow



1k Tow



Spread Tow

### ***The head circumference knowledge of safest bicycle helmet:***

#### **European Headform:**

An Oval shaped helmet is designed for a rider's head with a dimension which is considerably fit for Europeans.

#### **Generic headform:**

A generic headform helmet is designed for a rider's head with a dimension which is slightly longer front-to-back than its side-to-side measurement.

#### **Asian headform:**

A Round shaped helmet is designed for a rider's head with a dimension which is condierably fit for Asians.



# Helmet Shape 101



## European Headform

An Oval shaped helmet is designed for a rider's head with a dimension which is considerably fit for Europeans.

## Generic headform

A generic headform helmet is designed for a rider's head with a dimension which is slightly longer front-to-back than its side-to-side measurement.

## Asian headform

A Round shaped helmet is designed for a rider's head with a dimension which is considerably fit for Asians.

## ***Our Test lab:***

In order to manufacture quality helmets, we learn not only from the design theory, but also make progress from testing result! That's why our factory equipped with professional testing lab to ensure every design is practical & amenable! Our testing standard is more strict than the related certificate requirements, that's why we can promise the model that we provide can definitely pass the corresponding test by third-party!

## Our In-house Testing Lab



### ***Certification:***

Below is our certificate :we have ISO9001 ,letters patent ,CE documents ,and we have our own lab to make sure every our product can meet the testing requirements

# CERTIFICATE



## Our factory's profile:

Aurora Sports is a helmet manufacturer, with more than 15 years experience in producing all types of helmets. In-house design and R&D teams with established experience, allows Aurora Sports to quickly answer to demanding requirements and create from scratch whole programs and collections with rigorous quality standards.



## CUSTOMIZE FOR BRAND



*Logo style: Dome, Metal, UV-Dart sticker, Water decal.*



### ***The helmet production procedure is as below:***

silk screen → PC blister tooling → PC blister manufacture → Trimming dug hole → EPS raw material by different density → EPS in-mold tooling → helmet in-mold workshop → in-mold machines → in-mold tooling → in-mold producing process → semi-finished in-mold helmet → IQC inspection → helmet grinding → inner padding production → plastic injection workshop → assembly line → inside labeling → packing → warehouse → installed counters.



## Production Procedure



Silk screen



PC blister tooling



PC blister manufacture



Trimming dug hole



Eps raw material  
by different density



EPS in-mold tooling



Helmet in-mold workshop



In-mold machines



In-mold tooling



In-mold producing  
process



semi-finished In-mold  
helmet



IQC inspection



Helmet grinding



Inner padding production



Plastic injection  
workshop



Assembly line



Inside labeling



Packing



Warehouse



Installed counters

### ***The delivery express:***

International express, air freight & sea transportation are all can be well arranged here! You can pick every possible transportation that you want & we will do our best to assist you! We have already built a long-term relationship with different shipping companies & shipping agent, all our efforts aim at providing you the best shipping experience! Choose us, it will be easy to keep the helmets safe all the time!

# SHIPPING

