

## Carbon fiber PU coated gloves

### ◆ Product Description

The carbon fiber PU palm and finger dipped gloves are specially designed for high-intensity work scenarios. The main body is made of lightweight and high-strength carbon fiber material, which not only reduces the burden on the hands but also effectively resists impacts and abrasions, achieving flexibility and durability. The palm and finger parts are treated with PU dipping, which significantly enhances the grip force allowing for stable holding of objects in both wet and dry environments. The ergonomic design perfectly conforms to the curve of the hand, without affecting the normal movement of the hand. It can also provide targeted protection for vulnerable parts. It is an excellent choice for hand protection during your work.



- High-strength protection, carbon fiber impact-resistant layer
- Precise operation experience; anti-slip texture design
- All-day comfort
- PU impregnation process
- Oil-proof; sweat-proof

### ◆ Product Structure

- The main frame is woven from high - strength carbon fiber, which is lightweight, high - strength, and corrosion - resistant. It builds a solid support structure for the glove, capable of withstanding impacts and abrasions and reducing the burden on the hand for long - term wearing. The palm and finger parts adopt the PU dipping process. The PU material has excellent wear - resistance, anti - slip, and flexibility. After dipping, it increases the friction and grip force, and also protects the palm and fingers from being scratched by sharp objects. The wrist part has an elastic cuffed design, which fits the wrist tightly to prevent foreign objects from entering and is convenient for putting on and taking off. The elastic material at the cuffed part has good stretch and resilience, adapting to wrists of different thicknesses. The finger joint part has a special curved design that conforms to the natural bending arc of human fingers, ensuring flexibility while providing additional protection for the joints. The material at the curved part is thickened to enhance wear - resistance and can withstand frequent bending movements.

### ◆ Typical Applications

- The carbon fiber PU dipped palm and fingertip gloves are widely used in multiple fields. In the machining workshop, they resist the impact of iron chips and stably grip precision parts. During automotive maintenance, they are resistant to oil stains and enhance the grip of tools. In logistics and warehousing, their lightweight property and improved grip stability assist in handling various goods. In construction, they prevent injuries from sharp objects and facilitate the operation of materials and tools. In the electronic assembly workshop, they ensure finger flexibility and touch sensitivity while also preventing static electricity and contact with harmful substances.

### ◆ Typical Product Data and Physical Properties

Material: 65% Polyester Knit Base + 15% Carbon Fiber + 20%

Wrist Color: pink; green; gray

Size: XS#-L#

Coated Area: 0.6-1.2mm (PU Layer)

Cut Resistance: Blade force  $\geq 20N$

Tear Resistance:  $\geq 60N$

Puncture Resistance:  $\geq 60N$

Breathability:  $\geq 200L/m^2/s$

### Availability:

Item#	Size	Wrist Color	Material	Dip hand&dip finger
1.1.05.04.0217	M	Green	Carbon Fiber PU	Dip Hand
1.1.05.04.0218	L	Gray	Carbon Fiber PU	Dip Hand
1.1.05.09.0031	L	Green	PU	Dip Finger
1.1.05.08.0082	M	Gray	PU	Dip Hand

### ◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

### ◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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