



## TECHNICAL DATA SHEET

### ESD SHIELD PLAM PU Coated Gloves

#### Why ESD Gloves Are Needed in the Workplace

Electrostatic discharge (ESD) can damage sensitive electronic components during manufacturing or assembly. Even a small charge from a human body can destroy integrated circuits or cause latent failures. ESD-safe gloves are essential to prevent such incidents.

#### Benefits of ESD Gloves:

- Safely dissipate static charges
- Prevent product failure or rework
- Enhance process reliability and safety
- Ensure compliance in ESD-sensitive zones



Size 8/9

#### Product Specifications:

**Liner Material:** 13-gauge Carbon Fiber & Polyester (Anti-static)

**Coating:** Polyurethane (PU) Palm Coating

**Color:** White liner with grey palm coating

**Cuff Style:** Knitted wrist with green overlock

**Glove Size:** Size 8 (M) / Size 9 (L)

**Weight:** Size 8 Approx. 22 grams/pair

#### Technical Performance

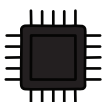
| Property                   | Standard          | Result                    |
|----------------------------|-------------------|---------------------------|
| Electrostatic Discharge    | GB/T 12703.3-2009 | 0.001 $\mu$ C             |
| Surface Resistivity        | GB/T 12703.1-2021 | $10^6\Omega - 10^9\Omega$ |
| Mechanical Protection      | EN 388:2016       | 4131X                     |
| Abrasion Resistance        |                   | Level 4                   |
| Cut Resistance (Coup Test) |                   | Level 1                   |
| Tear Resistance            |                   | Level 3                   |
| Puncture Resistance        |                   | Level 1                   |
| TDM Cut Resistance         |                   | Not Tested (X)            |

#### Industry :

These Gloves are utilized for their protective and practical features in various industries such as



Electronics  
Assembly



Semiconductor  
Industry



Automotive  
Electronics



Telecom  
Equipment

#### Udyogi



### Application Areas for ESD Gloves:

Medical Device Assembly

Aerospace/Defense

Mobile Device Production

Cleanrooms

Building precision and diagnostic tools

Circuitry and avionics component assembly

Touchscreen, camera, and battery assembly

Contamination control with ESD safety

### Key Features:

- Conductive carbon filament yarn for ESD protection
- PU coating provides excellent grip, breathability, and flexibility
- Low-lint construction for cleanroom compatibility
- Lightweight for extended wear without fatigue