



## **FY0501-E Environmental Friendly ROHS2.0 ESD PVC Mat**



### **Feature:**

1. The product complies with the new EU ROHS2.0 Standard. Including 6 items of heavy metals, 4 items of Phthalates (DEHP, DIBP, DBP, BBP), 18 items of PAHS standards for polycyclic aromatic hydrocarbon, and 197 items of REACH standards for highly concerned substances. This is an anti-static table mat product that is made of higher environmental protection materials and meets the latest environmental protection requirements of the European Union.
2. The surface resistance distribution of the product is more uniform, the volume resistance is  $\leq 10^7 \Omega$ , the static discharge time is shorter ( $\pm 1000V \pm 100V$ )  $\leq 0.3s$ , and the static discharge stability, continuity, and long-term performance are better than other anti-static table mats.
3. The product has the characteristics of wear resistance, acid and alkali resistance, aging resistance, tear resistance without deformation and longer product life.

### **Application:**

Production workshops and advanced laboratories of microelectronics industries such as electronic semiconductor devices, electronic computers, electronics communication equipment and integrated circuits.

It is mainly used for laying tabletops assembly line worktops, shelves and making floor mats, etc., and it is suitable for different conditions and different environments.

### **Function:**

The purpose of the anti-static table mat is to make ESDS tweezers, tools, utensils instruments, etc. in contact with the human body and the table reach a uniform potential and release static electricity, and at the same time make the static sensitive device (SSD) free from the interference of electrostatic discharge phenomena such as frictional electrification, so as to achieve the effect of electrostatic protection.



## Laying Method:

Lay an anti-static mat on the desktop, then buckle one end of the anti-static grounding wire on the surface, and connect the other end to the conductor leading to the ground, so that the static electricity collected on the desktop can be discharged through the anti-static grounding wire.

## Its principle:

1. The greenside is used for storing and absorbing static electricity around the desktop and its resistance is  $10^7-10^9 \Omega$
2. The black bottom surface is a conductor  $\leq 10^6 \Omega$ , because the conductor can quickly discharge the absorbed static electricity.
3. One end of the grounding wire is connected to the anti-static table mat, and the other end is connected to the ground, so the static electricity is smoothly discharged to the ground through the connecting wire, so that the static electricity around the desktop is discharged through this principle.

Technical data sheet:

Product name	Environmental protection ESD PVC MAT (RoHS2.0)
Thickness	2-3MM
Layer	Two layer, solid thickness ratio 1:1
Color	Green/Grey/Blue/Black
Standard width Standard length (can be customized)	0.6*10M/0.8*10M/0.9*10M 1.0*10M/1.2*10M/1.5*10M
Anti-static parameters	Surface resistance: $10^6 \sim 10^9 \Omega$
	Bottom resistance: $10^3 \sim 10^5 \Omega$
	Volume resistance: $10^5 \sim 10^8 \Omega$
Wear rate	0.02G/cm <sup>2</sup>
Static discharge time	<0.1S



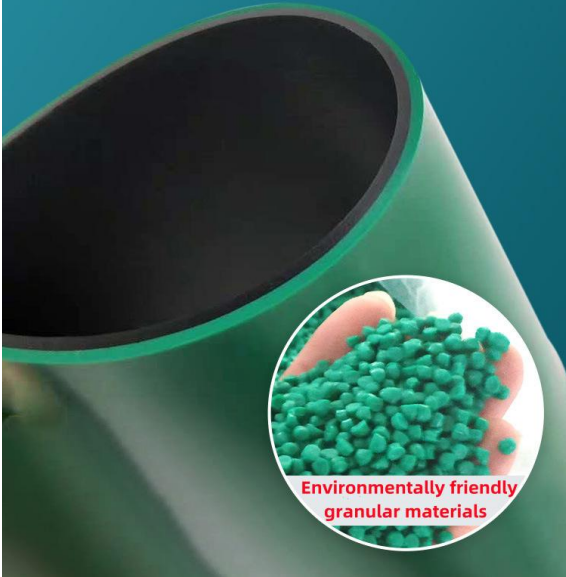
**SHENZHEN ANTISK TECHNOLOGY CO.,**  
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**Professional ESD Mat Manufacturer**  
**Focus on ESD Solution**

Tel: +86 15602453032

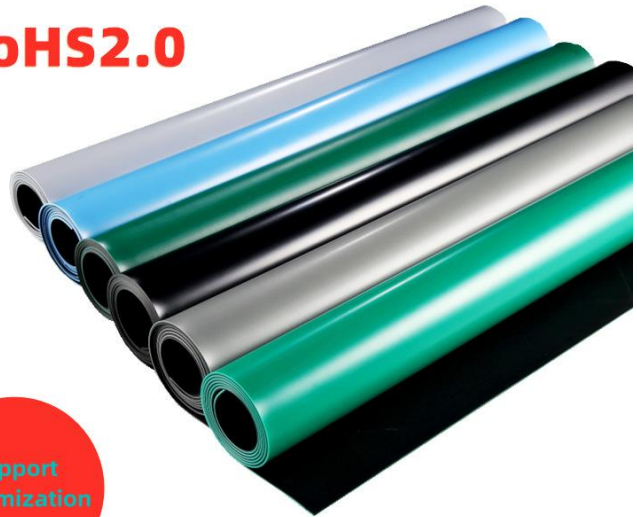
**High quality materials**  
**Healthy and environmentally friendly**

Environmentally friendly  
PVC RoHS 2.0



**Healthy and odorless**

**RoHS2.0**



Support  
customization

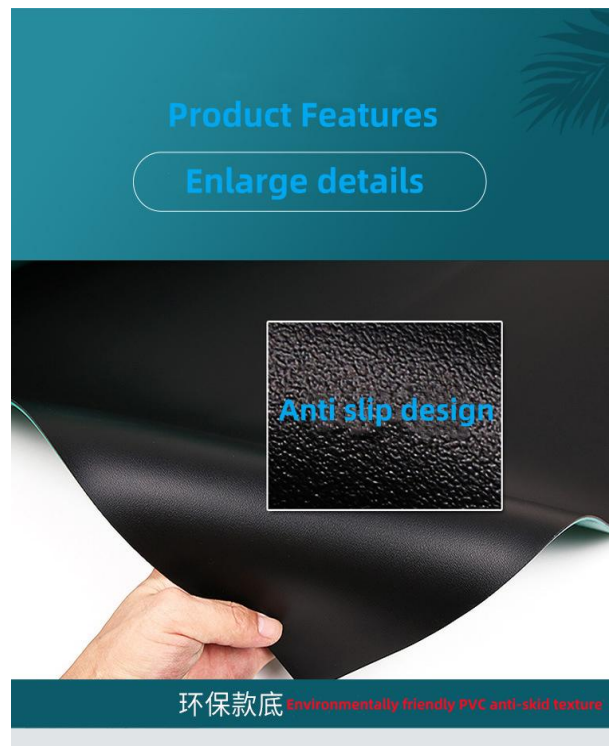
**High environmental protection**

**Good quality**



**Product Features**

**Enlarge details**



环保款底 Environmentally friendly PVC anti-skid texture



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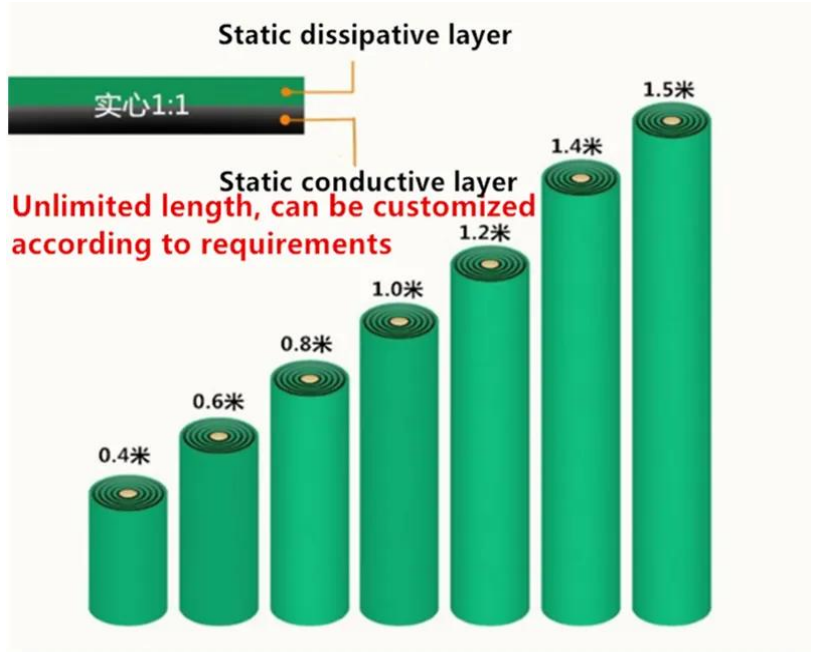
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Smooth edges for easy fit



Tear resistant, super elastic, folding without deformation



**Non standard cutting**  
**Convenient for customization**  
Irregular size, precise cutting





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# Factory strength demonstration

Strong productivity and advanced equipment

