

## ESD Net Tape

### ◆ Product Description

ESD Grid Tape is a specialty tape designed specifically for electrostatically sensitive environments. Its core characteristic is a printed black conductive grid pattern on the surface, delivering excellent electrostatic discharge (ESD) capability.



- Superior Electrostatic Discharge (ESD) Performance
- Unique Three-Layer Composite Structure
- Dual Functions of High Transparency and Grid Warning
- High-Quality Adhesion and Residue-Free Removal Properties
- Versatile Application Adaptability

### ◆ Product Structure

- Antistatic Grid Tape adopts a three-layer composite structure consisting of an outer layer, a middle layer, and an inner layer. The outer layer provides physical protection and initial electrostatic control; the middle conductive grid serves as the core for electrostatic discharge while also functioning as a visual warning; the inner layer ensures reliable adhesion with residue-free removal. The three layers work synergistically to achieve comprehensive ESD protection, stable adhesion, and environmental adaptability, making it a key material for electrostatic protection in the electronic manufacturing industry.

### ◆ Typical Product Data and Physical Properties

Outer Layer Material: Antistatic Biaxially Oriented Polypropylene (BOPP) Film

Middle Layer Material: Carbon-Based Conductive Grid

Inner Layer Material: Antistatic Acrylic Pressure-Sensitive Adhesive (PSA)

Core: 3 inches (76 mm)

Surface Resistance:  $10^9 \Omega$

Width: 12 mm, 18 mm, 24 mm, 36 mm, 48 mm

### Availability:

Item#	Packing	Weight
1.2.13.01.0014	50 rolls/carton	13.5kg

### ◆ Typical Applications

- Antistatic Grid Tape is widely used in scenarios such as cleanrooms in the electronic manufacturing industry, wave soldering processes, packaging and transportation, ESD workstations, as well as medical electronics, precision assembly in aerospace, and low-humidity warehousing. By virtue of its antistatic properties, high temperature resistance, residue-free removal, visual warning function, and EMI shielding function that some variants possess, it provides full-process protection for various sensitive electronic components.

### ◆ 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 is for reference purposes only.

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