KANBO®
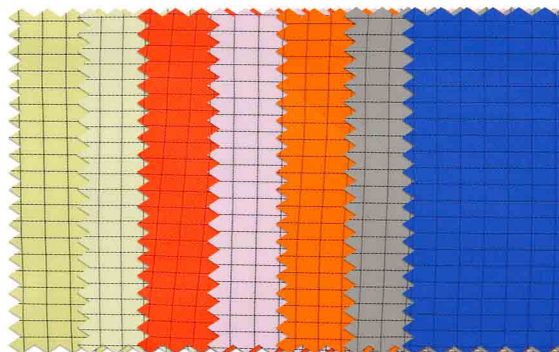
5MM Grid ESD Fabric

◆ Product Description

ESD grid fabric is a type of functional fabric with a grid structure formed by uniformly embedding conductive fibers in both warp and weft directions. it features high-efficiency antistatic and dust-proof properties, which can quickly conduct static electricity generated on the surface of the human body or objects to the ground, preventing static accumulation and discharge.

- Stable antistatic performance
- Grid design enhances functionality
- Durable and wear-resistant
- Safe for harsh environments
- Breathable and comfortable

◆ Product Structure

● ESD grid fabric adopts domestic conductive filaments, composed of 98% polyester and 2% carbon fiber conductive yarn, with a grammage of 107g±3g/㎡; warp and weft density: 63*32 threads/cm. Its core advantages include 360° static discharge high-efficiency dust resistance and wear resistance, suitable for high cleanliness and precision antistatic requirements.

◆ Typical Applications

● ESD grid fabric is widely used in scenarios such as semiconductor manufacturing aerospace electronic assembly, biopharmaceutical cleanrooms, chemical hazardous material storage, precision PCB production, and laboratory gene sequencing. Through its antistatic and dust-proof functions, it ensures the safety of sensitive components, equipment precision, and workplace safety

◆ Typical Product Data and Physical Properties

Material: 98% polyester, 2% carbon fiber conductive yarn
Color: A variety of colors are available.
Weaving process: square, width 5MM
Gram weight:107g±3g/㎡
Width: 150CM
Warp and weft density: 63*32/CM
Surface resistance: 10E6 - 7Ω
Tearing strength: Longitudinal ≥ 50N, Transverse ≥ 45N
Air permeability: ≥ 200L/m²/s

Availability:

Item#	Color	Fabric Swatch No.	Packaging	Weight
1.1.03.01.0351	White	Lj-1501	100M/Roll	24kg
1.1.03.01.0363	Yellow	LJ-1502	100M/Roll	24kg
1.1.03.01.0366	Yellow	Lj-1525	100M/Roll	24kg
1.1.03.01.0224	Pink	Lj-1503	100M/Roll	24kg
1.1.03.01.0341	Red	Lj-1529	100M/Roll	24kg
1.1.03.01.0372	Orange-Red	Lj-1513	100M/Roll	24kg
1.1.03.01.0265	Medium Blue	LJ-1507	100M/Roll	24kg
1.1.03.01.0264	Sky Blue	LJ-1504	100M/Roll	24kg
1.1.03.01.0296	Blue	Lj-1505	100M/Roll	24kg
1.1.03.01.0345	Light Green	Lj-1532	100M/Roll	24kg
1.1.03.01.0022	Green	LJ-1512	100M/Roll	24kg
1.1.03.01.0277	Navy Blue	LJ-1539	100M/Roll	24kg
1.1.03.01.0401	Light Pink	LJ-1509	100M/Roll	24kg
1.1.03.01.0402	Orange	LJ-1536	100M/Roll	24kg
1.1.03.01.0403	Gray	LJ-1579	100M/Roll	24kg
1.1.03.01.0404	Royal Blue	LJ-1522	100M/Roll	24kg

◆ 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