

Anti-static square fabric

◆ Product Description

The antistatic checkered fabric is carefully composed of 99% polyester and 1% carbon fiber conductive yarn. It is available in a variety of colors to meet the matching needs of different scenarios. The checkered pattern on the fabric is made with a 5mm - wide stripe process, neat and orderly. It shows excellent antistatic performance, with a surface resistance ranging from 10^6 to 10^9 ohms, which can effectively conduct away static electricity and ensure comfortable wearing.



- Stable anti-static performance
- Functional Stripe Design
- Durable & Abrasion-Resistant
- Safe for Hazardous Environments
- Breathable & Comfortable

◆ Product Structure

Fabric is composed of polyester fibers and conductive fibers

- The fabric contains polyester and conductive fibers. Polyester fibers have high strength and good elasticity, and conductive fibers are mixed in at a ratio of 1%-5%, such as carbon fiber conductive yarn, which can build a conductive network in the fabric to discharge static electricity. Through the striped weaving process, warp and weft yarns are interwoven into 5mmx5mm stripes, and the warp and weft density are reasonably designed according to the use performance needs, so that the fabric is more compact, and the wear resistance and anti-static uniformity are improved. the surface of the fabric is treated with anti-static, and an anti-static film is formed by chemical treatment or coating technology, which reduces the surface resistance and enhances the anti-static, dust-proof and anti-stain properties.

◆ Typical Applications

- Antistatic stripe fabrics are vital in many key fields. In electronics, they protect components from static, ensuring product quality. In medicine, they reduce static risks in surgical environments and for equipment. In petrochemicals, they prevent static - caused fires and explosions. In aerospace, they cut down on static interference with aircraft equipment for flight safety. In cleanrooms, they stop static from attractin dust, keeping the space clean for high - precision work. Overall, these fabrics are crucial for the smooth operation and safety of various industries..

◆ Typical Product Data and Physical Properties

Material: 99% polyester, 1% carbon fiber conductive yarn

Color: A variety of colors are available.

Weaving process: Stripe, width 5mm

Gram weight: $110g \pm 3g/m^2$

Width: 150cm

Warp and weft density: 63*32/CM

Surface resistance: $10E6 - 7\Omega$

Tearing strength: Longitudinal $\geq 50N$, Transverse $\geq 45N$

Air permeability: $\geq 200L/m^2/s$

Availability:

| Item# | Model | Color | Packing Method |
|----------------|---------|-----------|----------------|
| 1.1.03.01.0247 | LJ-1001 | White | 100m/pack |
| 1.1.03.01.0237 | LJ-1009 | Blue | 100m/pack |
| 1.1.03.01.0252 | LJ-1020 | Navy blue | 100m/pack |
| 1.1.03.01.0256 | LJ-1039 | Gray | 100m/pack |
| 1.1.03.01.0259 | LJ-1054 | Green | 100m/pack |
| 1.1.03.01.0304 | LJ-1043 | Yellow | 100m/pack |

◆ 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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