

COMFORT IS SAFE AND ANTISTATIC

Yarns with Bekinox[®]
stainless steel fibres
for antistatic textiles

BEKAERT

Bekinox[®]

Litia antistatic yarns with Bekinox[®] fibres provide:

- safe discharge of static electricity which could otherwise lead to explosions or damage electronic equipment
- superior antistatic properties
- a wide range of applications: electrostatic discharge (protective clothing, anti-static filtration, etc.) and electromagnetic shielding
- superior lifetime and superior wash resistance for personal protective clothing (PPC)

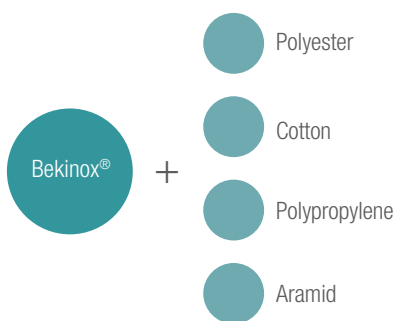
Litia
tech

Technical yarns for industry & personal protection

Litia yarns with Bekinox[®] stainless steel fibres for antistatic textiles

The Bekaert Bekinox[®] stainless steel fibres used in **Litia's** yarns safely discharge static electricity which could otherwise damage electronic equipment or lead to explosions.

 **BEKAERT**
Bekinox[®]



The antistatic textiles made from **Litia** antistatic yarns prevent the build-up of static electricity and electrostatic discharges.

Advantages:

- superior antistatic properties
- prevents electrostatic charging
- superior lifetime
- superior wash resistance (personal protective clothing (PPC))

Applications:

- ESD (electro-static discharge)
- protective clothing
 - antistatic filtration
 - floor covering & upholstery
 - brushes
 - big bags

EMS (electromagnetic shielding)

Textiles made with yarns containing Bekinox[®] stainless steel fibres are used in explosive environments (ATEX environments). Antistatic personal protective clothing (PPC) is certified in accordance with the EN 1149-5 standard as this covers all performance requirements and refers to the choice of two different test methods (EN 1149-1 and EN 1149-3).

Textiles containing Bekinox[®] stainless steel fibres pass both test methods.

The EN1149-1 test method is best for materials in which the electrostatic dissipative behaviour is based on surface conductivity. This method is only appropriate for textiles which contain surface conductive fibres in the yarns.

Test method EN1149-3 is used to measure electrostatic charge decay.

In order to comply with the EN1149-5 standard, the distance between the conductive yarns in the strips (warp of weft) or grids in the fabric should be less than 10 mm.

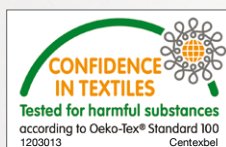
We recommend that 20% of the yarn is made up of Bekinox[®] fibres when used in strips or a grid. If the fabric is produced only from Bekinox[®] antistatic yarns, compliance with the EN1149-5 is met when approx. 2% of the yarn is made up of Bekinox[®] fibres.

Test method EN61340-5-1 is used for garments in the electronic industry's manufacturing and assembly process (point-to-point and sleeve-to-sleeve measurement methods).

WARNING:

Regardless of the type of garment worn, the human body can still produce electrostatic charge when not earthed.

ISO 9001
BUREAU VERITAS
Certification



Predilnica Litija d.o.o., Kidričeva 1
1270 Litija, Slovenia
Tel: +386 1 89 90 200
Fax: +386 1 89 90 248
E-mail: sales@litija.com
www.litija.com
www.litia.eu

Litia
PREDILNICA LITIJ