

Code	Composition	Count		Average breaking strength	Average elongation	Electrical conductivity*
		dtex	Nm			
Bekitex® BK 50/1	20% Bekinox® 80% PES	200	50	550 cN	14%	100 Ω/cm
Bekitex® BK 50/2	20% Bekinox® 80% PES	400	25	1150 cN	17%	50 Ω/cm

- Multi-ply on demand

* Electrical conductivity: distance of electrodes = 5 cm

Bekitex® is the brand name for the standard qualities of textile yarns containing a certain percentage of **Bekinox® stainless steel fibres**.

The **textile properties** of the Bekitex® yarns make them suitable for use in a wide range of applications related to e.g.

- Antistatic
- Heating
- Intelligent Textiles
- Signal transfer
- Electro-magnetic shielding

In **antistatic protective clothing** Bekitex® BK 50, mainly introduced in the fabric in a grid structure of 10 x 10 mm, allows one to easily fulfill international norms for flammable and explosive atmospheres and for the electronic industry.

It is the preferred solution in the market due to its outstanding **wash resistance**.

Furthermore, this **highly conductive** yarn provides **static control** in a wide range of **industrial applications** (e.g. FIBC, conveyor belts, woven filter cloth) and has a good **electro-magnetic shielding** performance.

Processing

The yarns can be woven, knitted, sewn,... Sometimes the yarn is used when Bekinox® fibre cannot be directly applied to the material s.a. BCF yarns, polypropylene tapes etc. Moreover, it is always possible to ply or assemble Bekitex® yarns with textile yarns as well.



Originally, Bekitex® BK 50 has been designed for the production of conductive backing for carpeting.

It can be introduced into primary and secondary backing for tufted carpets and into woven carpets. An important application is the linear conductive construction of secondary backings of tufted carpets for computer rooms and office buildings.



QUALITY CONTROL AND TESTING

All shipped products are subject to a severe control to assure an excellent quality.

On your demand, you can submit your samples for testing and evaluation in our laboratories.

Bekintex has the means to test the electrostatic properties or electrical conductivity of all products containing Bekitex® and Bekinox®. Our technical staff will help you to finally determine the specific requirements for your products.

All customers' remarks and suggestions are welcome to improve permanently the quality of our products.

PACKING

- On plastic cones of approx. 0.5 kg and 1.8 kg.

Cardboard boxes: 50 cones of 0.5 kg or ± 25 kg net of yarn;

25 cones of 1.8 kg or ± 50 kg net of yarn.

- Beams (DIN 250)

Overall width: 200 mm

Width between flanges: 160 mm

Flange diameter: 250 mm

Outer diameter core: 160 mm

Inner diameter core: 22 mm

Weight (tare): 1.050 kg

Max. yarn net weight: 3 kg

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