

# Bekinox® monofilament for cut resistant textiles



Next level cut-resistance

## Benefits

- ① Long-lasting safety
- ② Maximum comfort
- ③ Cost-effective production

Create more flexible and stronger yarns with Bekinox® monofilaments for cut-resistant textiles. Yarns made from Bekinox® monofilaments combined with other cut-resistant fibres, can be easily processed into gloves, garments and sleeves using traditional spinning processes.

Lightweight and comfortable, yet strong and durable, Bekinox® monofilaments provide the highest level of cut resistance while maintaining a high level of dexterity and tactility.

Bekinox® monofilaments are used a wide range of applications and industries, including automotive, food processing, metal fabrication, mining and glass handling industries.



## Strong, yet flexible

Bekinox® monofilaments consist of 100% stainless steel and are available with different tensile strengths, yield strengths and elongations. By adding more or less filaments to the final yarn, you can engineer the right protective qualities.

Bekinox® filaments are very thin. With diameters as thin as 35 µm, these filaments contribute to extremely flexible yarns. This assures the comfort of your glove or garment design.

## Why choose Bekaert?

### Solid partnership

Bekaert has the flexibility, experience and capabilities to create any steel wire no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 130 years, serving customers in over 120 countries.

### Experience

Bekaert is the pioneer in designing, developing and producing metal fiber products for a wide range of applications. Our experience of over 40 years has given us the flexibility and technical know-how to provide you with a solution that perfectly matches your quality and performance requirements.

### In-house R&D

To keep up with industries' evolving needs, we are strongly committed to innovation. Together with customers, independent research partners and in-house research facilities we are constantly creating new solutions.

## All-round protection

Besides being cut-resistant, Bekinox® monofilaments are also chemical inert and electrical conductive. As they consist of 100% stainless steel, the filaments prevent electrical built-up in clothing and create more safety in a volatile or explosive work environment.

## Easy to process

By blending Bekinox® monofilaments with organic or synthetic filaments, you can create comfortable yarns. These yarns can be easily combined with other yarns to be processed using traditional textile machinery such as seamless fine gage knitting machines.

## Proven quality

With metal transformation being one of our core competences, Bekaert controls the quality of its products from wire rod to fiber. This total quality control allows us to provide you with outstanding quality products that contribute to the continuous quality improvement of your own product range.

If needed, you can submit your samples to our laboratories for testing and evaluation. Bekaert has the means to test the mechanical and electrostatic properties as well as the electrical conductivity of all products containing Bekinox®. Our technical staff will help you to determine the specific requirements for your products.

## Product range

Bekinox® monofilaments are available in many different diameters. Below you can find the most common products. Other diameters are available upon request.

	Composition	Diameter
Bekaert Bekinox® VNM 35	100% stainless steel	35 µm
Bekaert Bekinox® VNM 43,5	100% stainless steel	43,5 µm
Bekaert Bekinox® VNM 50	100% stainless steel	50 µm
Bekaert Bekinox® VNM 63	100% stainless steel	63 µm



Contact us

More  
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