Bayco® Agriculture

Hail protection

Bayco® protects your plants perfectly – in the wind and weather

The stability of hail protection constructions depends on the resistance and quality of their individual elements. The high level of weather and UV stability means that Bayco® polyamide wire has been able to establish itself as a reliable component in hail protection and shading systems. Bayco® is replacing the conventional metal wire used to hold and tension the protective nets. Due to unique characteristics such as low weight in combination with high breaking force, Bayco® reliably relieves and stabilises the entire protective construction during hail or storm. By means of its elasticity Bayco® effectively absorbs influencing forces and remains nonetheless permanently taut. Time-consuming maintenance work, such as retightening the wire, is dispensed with. Bayco® exhibits a 200-fold lower thermal conductivity compared with metal wires. Because the polyamide wire does not rust, it has a permanently smooth and soft surface. Thus damage to the net caused by heated up wires or friction is effectively avoided.

Bayco® monofilament from polyamide 6 for optimum hail protection:

- Resistant to weather and UV influences
- Permanently smooth surface
- Low thermal conductivity
- Low weight
- High linear strength
- Extruded product available in diverse run lengths
- Highly viscous polyamide 6 types
- Bayco® XV504 white
- Bayco® XV505 grey
- Bayco® XV500 black

Perlon® – The Filament Company

We are the world’s leading manufacturer of synthetic filaments. We develop customer-oriented products of excellent quality through technical expertise and innovation.

Perlon® – The Filament Company – stems from the merger of PerlonNextrusion and Hahl-Pedex. Perlon® generates annual sales of about 125 million euros, employs more than 750 people and has a production capacity of over 20,000 tons. We operate from seven locations in Germany, in the USA, in China as well as in Korea.

Our portfolio incorporates an extremely diverse range of products for almost any industrial application. We are constantly creating new solutions for unique products – developed today for the markets of tomorrow.
Technical specifications

Bayco® is impressive when compared with metal wire due to its low thermal conductivity. Under identical conditions Bayco® transmits less heat to the net by a factor of 200 times.

Elongation at breaking force: 16–30% depending on type and diameter; daN = kg

The data specified above is approximate based on non-climatised tests. A deviation of +/-10% is to be allowed for.

This product information has been compiled to the best of our knowledge and with the greatest of care. We cannot, however, assume any liability for the correctness, completeness or currentness of the contents. Depending on diameter and production technique the technical parameters and the behaviour of the monofilament can vary.