



## Perlon® – The Filament Company

Perlon®–The Filament Company– is an innovative, global group of companies specialized in the manufacture of synthetic filaments. Perlon® generates annual sales of more than 150 million euros, employs about 850 people and has a production capacity of 23,000 tons. We operate from locations in Germany, in the USA and in China.

Through our technical expertise and strength in innovation we develop premium quality products for our customers. The comprehensive product portfolio is based on a variety of raw materials. In line with the intended application, these are modified and processed into high quality, application-specific filaments. The consistent high quality of our products sets worldwide benchmarks.

## 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 proved itself as a reliable component in hail protection and shading systems.

Bayco® replaces the conventional metal ridge wires used to hold and tension the protective nets.

Due to its unique characteristics such as low weight combined with high breaking strength, Bayco® reliably relieves the strain and stabilises the entire protective construction during hail or storm. Thanks to its elasticity Bayco® effectively absorbs influencing forces whilst still remaining permanently taut. Time-consuming maintenance work, such as retightening the wire, is no longer needed.

Bayco® has a thermal conductivity 200 times lower than that of metal wires. Due to the non-rusting capabilities of the polyamide wire, the surface stays soft and smooth, this means that damage to the net caused by heated wires or friction is effectively avoided.

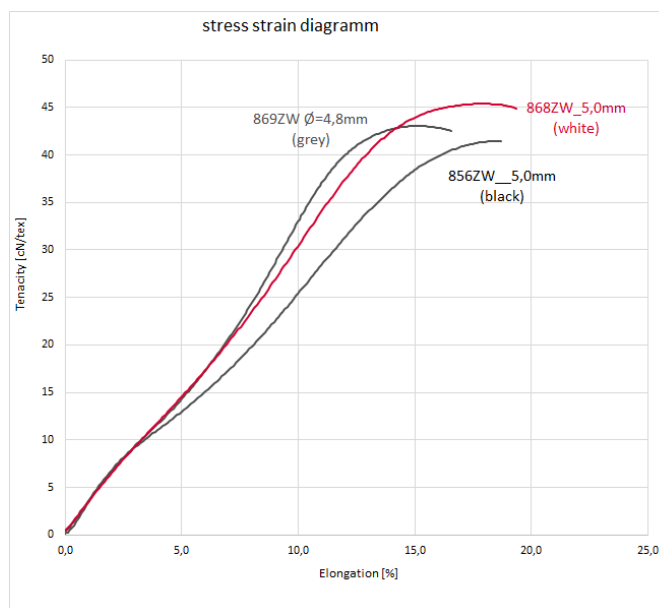
## Bayco® monofilament from polyamide 6 for optimum hail protection

- Resistant to weather and UV influences
- Permanently smooth surface
- Low thermal conductivity
- Low weight
- High linear strength
- Available in diverse run lengths
- Highly viscous polyamide 6 types
- Bayco® 868ZW white
- Bayco® 869ZW grey
- Bayco® 856ZW black

## Technical specifications

Bayco® stands out because of its low thermal conductivity and under identical conditions it transmits 200 times less heat to the net compared to metal wire.

	Bayco®	Steel
Thermal conductivity W / (mK)	0.25 – 0.35	48 – 58
Thermal capacity J / (kg*K)	2,300	500



Type	Colours	Additives	Diameter	Breaking force	Run length
856ZW	Black	UV, heat and weather stabilised	4.00 mm	550 daN	approx. 69 m/kg
856ZW	Black	UV, heat and weather stabilised	5.00 mm	830 daN	approx. 45 m/kg
856ZW	Black	UV, heat and weather stabilised	6.00 mm	1,177 daN	approx. 31 m/kg
869ZW	Grey	UV, heat and weather stabilised	4.80 mm	858 daN	approx. 49 m/kg
869ZW	Grey	UV, heat and weather stabilised	5.20 mm	1,100 daN	approx. 41 m/kg
868ZW	White	UV, heat and weather stabilised	5.00 mm	1,100 daN	approx. 44 m/kg

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 accuracy, integrity or timeliness of its content. The technical parameters and the behaviour of the monofilament can vary depending on diameter and production technique.