



## 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.

## Once tensioned, Bayco® wire remains permanently taut

Thanks to tailor-made product characteristics and extensively tested UV stabilizers, Bayco® is the ideal trellis and catch wire for the winegrower.

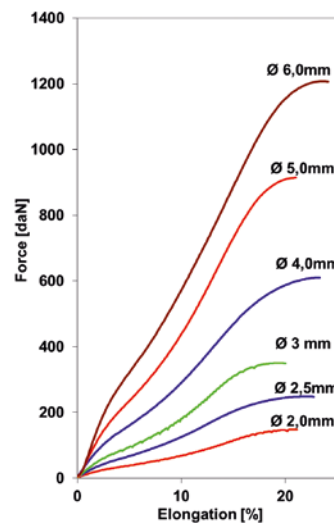
Bayco® offers the following remarkable advantages:

- Easy installation: Bayco® is significantly lighter than metal wire
- No maintenance work: Bayco® remains permanently taut, so re-tensioning or additional tensioning devices are not necessary
- UV and weather resistant
- No friction or rust damage: Bayco® retains its smooth surface at all times
- Resistant to sprays, fertilisers and humic acids
- No leaching of metal oxides into the soil
- No frost damage on the contact areas between plants and wire due to the low temperature conductivity of Bayco®
- Excellently suited to mechanical harvesters: due to the elasticity of Bayco® monofilament the mechanical vibration is only transmitted to the area directly being worked. This leads to higher yields and better grape quality.
- Easy mechanical pruning: fewer plant shoots around the smooth Bayco® surface means the number of shoots needed to be manually removed, can be reduced.



## Fruit growing – ideal wire for fruit trellis

Excellent weather and UV resistance make Bayco® the ideal trellis wire for fruit growing. Even after many years the equipment remains fully functional and resilient. Moreover, Bayco® is ideally suited to mechanical harvesting practices because the wire is elastic and absorbs the mechanical impact of the harvester. Bayco® will return to its initial position after straining or stretching. The permanently smooth surface of the polyamide wire prevents friction and rust damage to the fruit trees and the fruit. Hence lesions on the plants which are the preferred weak points for fungus and pest infestation can be effectively avoided.



## Technical specifications

Type	Colour	Additive	Diameter	Breaking force	Run length
856ZW	Black	UV, heat and weather stabilised	2.00 mm	155 daN	approx. 270 m/ kg
856ZW	Black	UV, heat and weather stabilised	2.50 mm	260 daN	approx. 180 m/ kg
856ZW	Black	UV, heat and weather stabilised	3.00 mm	345 daN	approx. 120 m/ kg
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

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

The data specified above is approximate based on non-climatized tests. There is a tolerance of +/-10%

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.