



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 140 million euros, employs about 840 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® wire - a smart and reliable component for a variety of constructions

Whether as construction wire for poly greenhouses or as support for shade fabric in glass greenhouse construction, monofilament excels, thanks to its high stability/tensile strength and first class elasticity combined with its durability.

Modern polycarbonate greenhouses are being designed ever more effectively. Here it is important to fix the covering securely and permanently in place without putting pressure on the whole construction. The weight of Bayco® monofil is around 15% that of iron wire. Damage to the plastic surface through rubbing, is prevented thanks to the smooth surface of Bayco® wires. Bayco® remains taut come rain or shine. Greenhouse coverings are fixed securely.

Oyster farming – secure and efficient

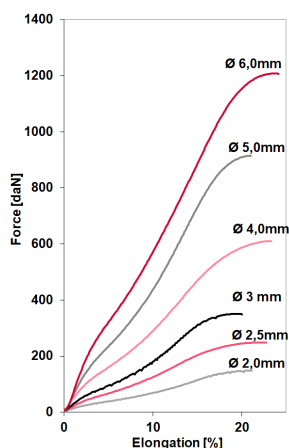
Innovative, adjustable oyster farms enable more efficient and economical breeding than traditional methods. Maintenance and service costs of the oyster farm are reduced whilst yields increase and quality improves. Bayco® is saltwater and weather resistant and so enables a secure and long lasting installation.

Perlon® monofilament from polyamide 6 for construction wires

- Diameter of 2,00 – 6,00 mm
- High uniformity of diameter
- High viscosity polyamide 6 product
- High linear stiffness
- Permanently smooth surface
- Low thermal conductivity

Covering for water reservoirs

The covering of large water reservoirs contributes to the global effort for responsible use of natural resources. Here it plays a key role thanks to its outstanding properties. The use of Bayco® makes it possible to place and fix new types of covering over water reservoirs even in large width spans. Thanks to the elasticity of Bayco® monofilaments the covering is able to take on a high volume of extra weight due to sudden heavy rain. It does not need to be retightened when the load is subsequently lessened.



Technical specifications

Type	Color	Additives	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	1177 daN	approx. 31 m/kg
870ZW	White	Heat and weather stabilised	3,00 mm	380 daN	approx. 120 m/kg

Elongation at breaking force: 14-30% 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.