Construction wires

Bayco® wire makes your construction permanently stable without straining it.

Whether it’s as construction wire for polytunnels or guides for shading fabrics in greenhouses – XV500 and XV400 monofilaments are impressive with their high rebound capacity and first class elasticity coupled with a long service life. Modern polytunnels are becoming ever larger in their conception. What counts here is to fix the plastic sheeting securely and permanently without straining the overall construction. The weight of Bayco® monofilament is only approx. 15 percent of iron wire. Moreover, the smooth surface of the Bayco® wire prevents damage to the plastic sheeting through scuffing. Even in wind and weather Bayco® always remains taught thus holding the polytunnel sheeting securely on the substructure.

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.

Oyster rearing – safe and efficient

Innovative, adjustable oyster farming systems allow more efficient and economical rearing than traditional methods. Upkeep and maintenance costs of the oyster farm sink with simultaneously higher yield and improved quality. Bayco® is salt water and weather resistant thus enabling safe and long-lasting installations.

Perlon® monofilament from polyamide 6 for construction wires

- Ø 2.00 – 6.00 mm
- High diameter consistency
- Highly viscous polyamide 6 product
- High linear strength
- Permanently smooth surface
- Low thermal conductivity
Covering for water reservoirs

The covering of large water reservoirs is contributing to the worldwide efforts in the responsible handling of natural resources. Thanks to its outstanding characteristics, Bayco® is taking on a key role in this regard. The use of Bayco® enables new types of foils to be positioned and fixed even in large spans over water reservoirs. Due to the elasticity of the Bayco® monofilaments the covering can even absorb great weight caused by sudden rainfall.

Technical specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Additives</th>
<th>Diameter</th>
<th>Breaking force</th>
<th>Run length</th>
</tr>
</thead>
<tbody>
<tr>
<td>XV500</td>
<td>Black</td>
<td>UV, heat and weather stabilised</td>
<td>2.00 mm</td>
<td>155 daN</td>
<td>approx. 270 m/kg</td>
</tr>
<tr>
<td>XV500</td>
<td>Black</td>
<td>UV, heat and weather stabilised</td>
<td>2.50 mm</td>
<td>260 daN</td>
<td>approx. 180 m/kg</td>
</tr>
<tr>
<td>XV500</td>
<td>Black</td>
<td>UV, heat and weather stabilised</td>
<td>3.00 mm</td>
<td>345 daN</td>
<td>approx. 120 m/kg</td>
</tr>
<tr>
<td>XV500</td>
<td>Black</td>
<td>UV, heat and weather stabilised</td>
<td>4.00 mm</td>
<td>550 daN</td>
<td>approx. 69 m/kg</td>
</tr>
<tr>
<td>XV500</td>
<td>Black</td>
<td>UV, heat and weather stabilised</td>
<td>5.00 mm</td>
<td>830 daN</td>
<td>approx. 45 m/kg</td>
</tr>
<tr>
<td>XV500</td>
<td>Black</td>
<td>UV, heat and weather stabilised</td>
<td>6.00 mm</td>
<td>1177 daN</td>
<td>approx. 31 m/kg</td>
</tr>
<tr>
<td>XV400</td>
<td>White</td>
<td>Heat and weather stabilised</td>
<td>3.00 mm</td>
<td>380 daN</td>
<td>approx. 120 m/kg</td>
</tr>
</tbody>
</table>

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 correctness, completeness or currentness of the contents. Depending on diameter and production technique the technical parameters and the behaviour of the monofilament can vary.