POLIFORT® is a high tenacity polyester monofilament specially designed to replace the conventional metal wires mainly used in the agricultural sector, improving its performance and offering greater durability.

It is a high quality wire manufactured from virgin raw material, continuously tested in its production process in order to guarantee that it meets the technical requirements necessary for its final use: high tensile strength, minimum elongation percentage, high resistance to deformation due to weather conditions, UV resistance and stability under extreme conditions.

Main advantages of POLIFORT®:
• High resistance and controlled elasticity, which allows a quick installation.
• Strong impact resistance, its elasticity allows it to resist impacts and return to its original position.
• High retraction capacity, which guarantees permanent tension.
• Does not require maintenance.
• It does not rust and it is resistant to phytosanitary products.
• High resistance to UV rays, extreme temperatures and humidity, maintaining its mechanical and dimensional characteristics in hostile climatic conditions.
• Long-term durability.
• Reduced heat conductivity, so it does not transmit high temperatures to the vegetation or to the materials which it comes in touch, acting as a thermal insulator.
• It does not conduct electricity, reducing the risk of accidents due to electrical storms.
• It is 5 times lighter than steel, which facilitates its installation, reduces transport costs and minimizes the accidents risks during the assembly process.

The main application fields of POLIFORT® are:
• Greenhouses construction.
• Support lines.
• Thermal screens.
• Vineyards.
• Horticulture.
• Fruitculture.
• Super-intensive olive groves.
• Windbreaker.
• Anti Hail.
• Marine farming.
• Tobacco dryers.
• Fences.
• Related Applications Reservoirs coverage.

POLIFORT® monofilament is produced in black color or natural transparent, with anti-UV protection, in accordance with the following specifications:
• Raw material: high tenacity polyester
• Intrinsic viscosity: 0.96
• Melting point: 250º
• Elongation: <9%
• Thermal behaviour: neutral
• Optimum tenseness: 1%
**POLIFORT®**

<table>
<thead>
<tr>
<th>Type</th>
<th>Diameter (mm)</th>
<th>Breaking Strength (kgf)</th>
<th>Meters/Weight per Spool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nº 1</td>
<td>1,80</td>
<td>120</td>
<td>2.500 m./ aprox.10 Kg.</td>
</tr>
<tr>
<td>Nº 2</td>
<td>2,20</td>
<td>215</td>
<td>1.800 m./ aprox.10 Kg.</td>
</tr>
<tr>
<td>Nº 3</td>
<td>2,60</td>
<td>300</td>
<td>1.400 m./ aprox.10 Kg.</td>
</tr>
<tr>
<td>Nº 4</td>
<td>3,00</td>
<td>365</td>
<td>1000 m. / aprox.10 Kg.</td>
</tr>
<tr>
<td>Nº 5</td>
<td>4,00</td>
<td>405</td>
<td>600 m. / aprox.10 Kg.</td>
</tr>
<tr>
<td>Nº 6</td>
<td>5,00</td>
<td>500</td>
<td>300 m. / aprox. 8 Kg.</td>
</tr>
<tr>
<td>Nº 7</td>
<td>3 x 3,00</td>
<td>800</td>
<td>600m. / aprox. 20 Kg.</td>
</tr>
</tbody>
</table>

**METALLIC WIRE**

- Temperature changes can reduce the wire tension. It conducts electricity and can burn the vegetables in a storm.
- It can be damaged by agricultural machinery and requires a lot of manipulation.
- A bad tensioned wire can difficult the mechanical harvest.
- High weight, difficult to repair in case of breakage.
- Fast corrosion, need to manipulate the wire frequently.
- Need to tighten every year.
- Difficult installation, due to its weight and rigidity.
- Due to its high weight, it is difficult to use on rough terrain, difficult handling.

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For additional information please visit our website: [www.extrupol.com](http://www.extrupol.com)