TAILORED PRODUCTS AND HIGHEST QUALITY CONTROL

POLYSACK - A comprehensive solution provider for flexible packaging products

As a leading developer and manufacturer of innovative MDO (Machine Direction Orientation) based flexible packaging film products, Polysack has perfected the art of packaging, committed to continuously keeping up with the latest market trends. Investing heavily in R&D and using only the finest raw materials, Polysack consistently develops cutting-edge packaging, meeting precise customer requirements at its state-of-the-art production facility.

The company has several advanced production-line devices for slitting and QA. This new machinery increases production capacity and enhances quality control. It also heightens Polysack’s ability to cater to a wider variety of industries, with the flexibility to meet specialized client requirements faster and more efficiently.

All Polyphane products are ecologically sound, and undergo strict quality control procedures during every step of the production process. Offering responsive technical support 24/7 and working closely with print converters to ensure the complete and successful application of film by the end user, Polysack provides significant value at reduced costs.

POLYSACK: One-stop shop for flexible packaging solutions

Polysack is a leading developer and manufacturer of high-yield flexible packaging film products, providing sustainable solutions for a variety of applications, including high-shrink labels, candy wrappers, agro-textiles and more. Polysack provides its line of innovative films to converters and other third parties who apply them in industries such as beverages, food, confectionery, agriculture and others.

A privately-owned company established in 1974, Polysack has continually invested in R&D to develop cutting-edge technological solutions for flexible packaging, utilizing advanced MDO (Machine Direction Orientation) technology.

Polysack, having acquired years of industry know-how and expertise, has perfected the art of packaging, using only the finest and environmentally-friendly materials in its state-of-the-art production facility. Polysack consistently keeps up with the latest market trends, utilizing cutting-edge machinery that increases production capacity and quality control.

Polysack is unique in its flexibility, meeting specialized client requirements faster and more efficiently, catering to a wide variety of industries. Polysack’s customers, ranging from small businesses to Fortune 100 companies, benefit from highest production yields in the film industry and significant value at reduced costs.
Polyphane Twist 20µ is considered the most cost efficient high yield competitive film for wrapping candies currently in the market. Due to its low thickness, POLYPHANE TWIST 20µ provides much more wrappers per kilogram than other twist material in the market, while maintaining the same well-known properties of Polyphane Twist, currently offered as clear, white and metallized in 25µ & 30µ.

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Prolong the fresh flavour
Unaffected by humidity, retaining the same oxygen and water barrier levels as in thicker films, Polyphane Twist 20µ preserves the natural aroma and freshness of candies and chocolates. Non-reactive to sugar, liqueur and spirit fillings, this wrapper is compliant with FDA and EC standards. Since there is no problem for the film to come in direct contact with candies, Polyphane Twist 20µ eliminates the need for placing a protective liner within the wrapper, thus constituting an additional saving.

Discover the sweet path to profit
Guaranteeing an exceptionally high yield, Polyphane Twist 20µ is the profitable choice that reduces manufacturing and printing costs, yielding more wraps per kg than any other wrap.
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**Polyphone Twist 20µ is the production-friendly choice for all types of candy wrapping machinery and equipment, whether using Treehagen-Pactec Nagem, ACMA GD, Klockner-Hansel, CM Fima or Bosch. Yielding the highest quality of printing, it is suitable for a wide variety of printing methods, including flexographic, rotogravure and others.**

**The environmentally-friendly choice**

When it comes to manufacturing - sustainability is the name of the game. That’s why more and more customers prefer Polyphone Twist 20µ – a non-halogen material that is ecologically safe, replacing traditional materials.

**Outstanding new polyethylene twist**

Today’s confectionery manufacturers require a wrapping material that increases yield, preserves the product’s taste, and is environmentally friendly. That’s why more confectionary manufacturers are choosing Polyphone Twist 20µ – the number one polyethylene film developed and manufactured specifically for wrapping candies and other sweets. With a single twist this appealing wrapper stays twisted, preserving the candy’s fresh flavor, texture and shape.

**Aesthetic, scrumptious look and sound**

Polyphone Twist 20µ is an attractive wrapper, available in transparent, white, black and metallized, providing high visibility of any type of candy. Opening a Polyphone Twist 20µ wrapper makes that rustling sound that whets the appetite for a delicious sweet – offering great sound appeal for your products.

**Enhanced properties and twist**

Polyphone Twist 20µ is equipped with the natural ability to stay twisted, and holds additionally-enhanced mechanical, optical and barrier properties. It is available either in 20, 25 or 30 microns.

<table>
<thead>
<tr>
<th>Polyphone Twist 20µ</th>
<th>9,840</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 18µ</td>
<td>7,349</td>
</tr>
<tr>
<td>PET 23µ</td>
<td>5,751</td>
</tr>
<tr>
<td>Cellophane 23µ</td>
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<tr>
<td>PVC 27µ</td>
<td>5,157</td>
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**Discover the sweet path to profit**

Guaranteeing an exceptionally high yield, Polyphone Twist 20µ is the profitable choice that reduces manufacturing and printing costs, yielding more wraps per kg than any other wrap.

**Runs easily through any wrapping and conversion machines**

Manufactured with MDO technology, Polyphone Twist 20µ is an extremely thin and lightweight film, which runs smoothly at high speeds, through any type of printing or wrapping machine, without tearing. Polyphone Twist 20µ furthermore guarantees a continuous and smooth running wrapping process due to the anti-static treatment that minimizes static electricity.

**Yield comparison**

<table>
<thead>
<tr>
<th>Thickness, µm</th>
<th>POLYPHANE TWIST CLEAR</th>
<th>PET 18µ</th>
<th>Cellophane 18µ</th>
<th>PVC 27µ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness, µm</td>
<td>20</td>
<td>18</td>
<td>23</td>
<td>27</td>
</tr>
<tr>
<td>Density, g/cm³</td>
<td>0.941</td>
<td>1.4</td>
<td>1.4</td>
<td>1.44</td>
</tr>
<tr>
<td>Weight, g/m²</td>
<td>18.82</td>
<td>25.20</td>
<td>32.20</td>
<td>33.12</td>
</tr>
<tr>
<td>Yield, m²/kg</td>
<td>53.13</td>
<td>39.68</td>
<td>31.06</td>
<td>30.19</td>
</tr>
<tr>
<td>Number of wraps per 1 kg (560x60 mm)</td>
<td>9,840</td>
<td>7,349</td>
<td>5,751</td>
<td>5,157</td>
</tr>
</tbody>
</table>

These data are intended only as a source of information and are given to guide users in the selection of the product. Polyphone products are not limited to the uses and conditions specified in this sheet and the end user assumes all liability and shall indemnify the manufacturer against any claims relating to each specific use. Customers should independently determine the suitability of this material for their specific purpose prior to use.
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