Espot Series

NON-TOXIC belts (FDA and EU 10/2011) for the conveyance and elevation of food or animal feed with oils.
ESPOT series

Main characteristics:

- Double white PVC cover.
- Non-toxic/food grade, in accordance with FDA and EU regulation 10/2011.
- Resistant to vegetable oils.
- Antistatic in accordance with ISO standard 284.
- Flexible weft.
- Multi-layer structure for a more even spread of tension converging on the belt.
- 100% polyester fabrics pretensioned and thermofixed that maintain mechanical strength and withstand high working loads in difficult working conditions (moisture, temperature, overloads).

Applications:

Thanks to their high mechanical performance and resistance to tearing and vegetable oils, they are recommended in applications such as:

- Bucket elevators.
- Troughed conveyance of bulk products.
- Recycling of organic waste.
- Conveyance of oleaginous food products such as fish, meat, cereals and animal feed.
- Live roller drives.
Advantages

High transverse flexibility.
Excellent adaptation to troughs up to 35°.
Different profiles can be applied, optimising the load volume on inclined conveyors.

PVC resistant to oils and fats, acid and alkaline solutions (not recommended for ketones and aromatic hydrocarbons). Optimum for moist atmospheres.

NON-TOXIC belts, meeting all FDA and EU regulation 10/2011.
Antistatic, in accordance with ISO standard 284.

Multi-layer polyester fabrics for a more even spread of tension converging on the belt.
High dimensional stability.

Benefits

GREATER LOAD CAPACITY

SAVINGS*
Longer lasting than standard rubber or PVC belts (up to 2.5 times longer).

SAFETY for end users and plant workers:
No migration of toxic derivatives to the conveyed product.
Avoids electrostatic buildup.

REDUCED STOPPAGE AND MAINTENANCE especially in bucket elevators, no need for constant retensioning.

Example: Animal feed factory, product reception elevator.

<table>
<thead>
<tr>
<th>Bucket elevator</th>
<th>Approx. life span*</th>
<th>Belt adjustment (tensing and cutting)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monopoly or Rubber belt</td>
<td>30 months</td>
<td>5 operations</td>
</tr>
<tr>
<td>ESPOT 81CC belt</td>
<td>75 months</td>
<td>1 operation</td>
</tr>
</tbody>
</table>

* In adequate maintenance conditions: lagged drums, speed sensors, no start-up while full loaded.
<table>
<thead>
<tr>
<th>Type</th>
<th>Top cover</th>
<th>Bottom cover</th>
<th>Special characteristics</th>
<th>Fabrics</th>
<th>Total weight Kg/m²</th>
<th>Working load at 1% elong. N/mm²</th>
<th>Max. roll width mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Material</td>
<td>Colour</td>
<td>Thickness mm</td>
<td>Constant temperature °C</td>
<td>Nº of plies</td>
<td>Total thickness mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PVC</td>
<td>White</td>
<td>1,00</td>
<td>-15 to +80</td>
<td>Flexible</td>
<td>4,10</td>
<td>140</td>
</tr>
<tr>
<td>ESPOT 20CC</td>
<td></td>
<td>PVC</td>
<td>1,00</td>
<td></td>
<td></td>
<td>5,00</td>
<td>140</td>
</tr>
<tr>
<td>ESPOT 30CC</td>
<td>PVC</td>
<td>White</td>
<td>2,00</td>
<td>-15 to +80</td>
<td>Flexible</td>
<td>6,20</td>
<td>200</td>
</tr>
<tr>
<td>ESPOT 40CC</td>
<td>PVC</td>
<td>White</td>
<td>2,00</td>
<td>-15 to +80</td>
<td>Flexible</td>
<td>7,40</td>
<td>300</td>
</tr>
<tr>
<td>ESPOT 81CC</td>
<td>PVC</td>
<td>White</td>
<td>1,00</td>
<td>-15 to +80</td>
<td>Flexible</td>
<td>7,80</td>
<td>400</td>
</tr>
<tr>
<td>ESPOT 90CC</td>
<td>PVC</td>
<td>White</td>
<td>2,00</td>
<td>-15 to +80</td>
<td>Flexible</td>
<td>9,00</td>
<td>500</td>
</tr>
</tbody>
</table>

- **ESPOT 20CC** Inclined conveying in pineapple processing.
- **ESPOT 20CC** with X profiles in a waste plant.
- **ESPOT 20CC** troughed conveyance of filberts.

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