CONVEYOR AND PROCESS BELTS

TECHNICAL DATA SHEET

SILON 25 W

<table>
<thead>
<tr>
<th>CODE</th>
<th>NA-224</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>SILON 25 W</td>
</tr>
</tbody>
</table>

**COMPOSITION**

<table>
<thead>
<tr>
<th>Material</th>
<th>Non-woven polyester (PET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>--- mm --- in.</td>
</tr>
<tr>
<td>Surface pattern</td>
<td>Rough</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Coefficient of friction</td>
<td>LF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>Polyester (PET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piles no.</td>
<td>3</td>
</tr>
<tr>
<td>Weft type</td>
<td>Flexible</td>
</tr>
</tbody>
</table>

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**TECHNICAL SPECIFICATIONS**

- **Total thickness**: 2.50 mm 0.10 in.
- **Weight**: 1.30 kg/m² 0.27 lbs/sq.ft
- **Elongation at 1%**: 10 N/mm 57.0 lbs/in.
- **Max. admissible pull**: 10 N/mm 57.0 lbs/in.
- **Temperature resistance**
  - Min.: -20 °C -4 °F
  - Max. - Single-z joint: 100 °C 212 °F
  - Max. - Skived joint: 120 °C 248 °F
  - (1) use of the belt with limit values may reduce its life
- **Minimum roller diameter**
  - Knife edge: no
  - Bending roller - Single-z joint: 30 mm 1.2 in.
  - Bending roller - Skived joint: 30 mm 1.2 in.
  - Counter-bending roller: 50 mm 2.0 in.
- **Coefficient of friction on driving surface**
  - Raw steel sheet: 0.20 [-]
  - Laminated plastic/wood: 0.25 [-]
  - Steel roller: 0.20 [-]
  - Rubberized roller: 0.30 [-]
- **Max. production width**: 2000 mm 79 in.

**FEATURES**

- Humidity influence: yes
- Suitable to metal detector: yes
- Permanent antistatic dynamically (UNI EN ISO 21179): no
- Static conductivity (UNI EN ISO 284): no
- Conveying on skid bed: yes
- Conveying on rollers: yes
- Conveying on skid bed on top and return: yes
- Troughed conveying: yes
- Swan neck conveying: no
- Inclined conveying: no
- Accumulators belts: yes
- Curved conveyor: no
- Chemical resistances link: 11

**SUITEABLE FOR**

- Food: bread
- Packaging
- Industrial laundries
- Food: pizza

**NOTES**

Due to the product structure, these data represents a guideline only and can be changed without notice.

**COMPLIANCES**

- REACH EC 1907/2006 Regulation and Amendments
- EC 1935/2004 Regulation and Amendments
- EC 2023/2006 Regulation and Amendments
- EU 10/2011, 2017/752 Regulation and Amendments
- FDA (Food and Drug Administration)

**DISCLAIMER**

The information contained in this document describes the features of the CHIORINO product as tested in a laboratory environment at a temperature of +23 degrees C at 50% relative humidity. It does not necessarily reflect the conditions of industrial use and it does not guarantee the product to be suitable for certain applications. The client remains liable for the proper selection and correct use of the CHIORINO product. CHIORINO cannot be held responsible should damages arise from the use of its products. Necessary alterations to this data can be made without prior notice.

**Issue**: 24-07-2009  
**Last Update**: 12-12-2018

chiorino@chiorino.com - www.chiorino.com
Recommended joining procedure: SINGLE Z

Other joining methods can be used:
DIAGONAL SINGLE Z
SKIVED JOINT ‘1’

Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press  P \ PL \ PLS

<table>
<thead>
<tr>
<th>Press settings</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper platen temperature</td>
<td>165 °C</td>
</tr>
<tr>
<td>Lower platen temperature</td>
<td>165 °C</td>
</tr>
<tr>
<td>Temperature gauge setting</td>
<td>165 °C</td>
</tr>
<tr>
<td>Curing time in press</td>
<td>3 min.</td>
</tr>
<tr>
<td>Pressure</td>
<td>1,5 bar</td>
</tr>
<tr>
<td>Film</td>
<td>see notes</td>
</tr>
<tr>
<td>Cement</td>
<td>---</td>
</tr>
</tbody>
</table>

1. Use the KM330 thermometer to check the effective temperature inside the belt. Place the thermometer gauge as shown by the drawing at side.

2. Allow the cooling cycle to be completed before removing the belt from the press.

3. A reliable strength of the joint is ensured, providing that temperatures reached by the press are those indicated in the table at side.
A periodical inspection of the thermostats is recommended, to make sure they function correctly.

• Layout of components

Upper heated platen
Upper synthetic plate
Non-adhesive silicone fabric (TX-67)
----
Belt
Film (no. 3 TC-32 and no. 1 TC-13)
FL silicone pad (IG-22)
Lower synthetic plate
Lower heated platen

• Notes

1. Apply in sequence 3 layers of TC-32 + 1 layer of TC-13 film. PU layer on contact with the belt.
2. Space out the ends of 3 mm.
CONVEYOR AND PROCESS BELTS

JOINING DATA SHEET

CODE  NA-224  TYPE  SILON 25 W

• Recommended joining procedure
  SKIVED JOINT ‘1’

• Skiving instructions

<table>
<thead>
<tr>
<th>Skiver</th>
<th>Belt thickness</th>
<th>Length</th>
<th>Straight/ diagonal cut</th>
<th>Cam/ wedge number</th>
<th>T</th>
<th>B</th>
<th>Thickness adjustment</th>
<th>End stop switch of working plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>B600 A</td>
<td>2,5</td>
<td>40</td>
<td>Diagonal</td>
<td>1-10</td>
<td>15</td>
<td>5</td>
<td>18.95</td>
<td>---</td>
</tr>
<tr>
<td>B300 SA</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
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</table>

• Guide to the use of adhesives

Pour the hardener with the R cement (pot-life 2 hours).
Apply a thin layer of above mix on both splices.
Let dry for 5 minutes, then match the belt ends, paying attention to align properly.
Press according to the instructions shown.
To ensure best joint life it is advisable not to run or tension the belt for 24 hours.
Kit: SINTECOL

• Layout of components

- Upper heated platen
- Upper synthetic plate
- Matt release paper (ML-2)
- Belt
- Matt release paper (ML-2)
- Lower synthetic plate
- Lower heated platen

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<tr>
<td>Lower platen temperature</td>
</tr>
<tr>
<td>Curing time in press</td>
</tr>
<tr>
<td>Driving torque</td>
</tr>
<tr>
<td>Cooling time: it is recommended to remove the belt from the press once a temperature of 60/70 degrees C is reached.</td>
</tr>
</tbody>
</table>

• Notes

Issue: 30-09-2005  Last Update: 30-01-2014

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