

SILON 40 HC

COMPOSITION

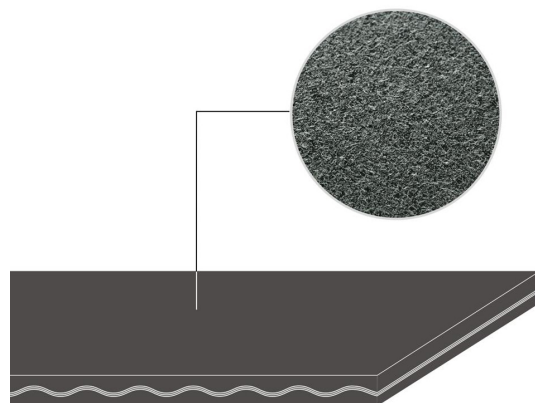
| | | | |
|-------------------|-------------------------|---------------------------|---------|
| Conveying surface | Material | Non-woven polyester (PET) | |
| | Thickness | --- mm | --- in. |
| | Surface pattern | Rough | |
| | Colour | Anthracite | |
| Textile carcass | Coefficient of friction | LF | |
| | Material | Polyester (PET) | |
| | Plies no. | 3 | |
| | Weft type | Flexible | |
| Driving surface | Material | Non-woven polyester (PET) | |
| | Thickness | --- mm | --- in. |
| | Surface pattern | Rough | |
| | Colour | Anthracite | |

TECHNICAL SPECIFICATIONS

| | | |
|--|------------------------|-----------------|
| Total thickness | 4.00 mm | 0.16 in. |
| Weight | 2.40 kg/m ² | 0.49 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 ⁽¹⁾ | | |
| ■ 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 | 50 mm | 2.0 in. |
| ■ Bending roller - Skived joint | 60 mm | 2.4 in. |
| ■ Counter-bending roller | 80 mm | 3.2 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. |

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments



FEATURES

| | |
|---|-----|
| Humidity influence | yes |
| Suitable to metal detector | no |
| Permanent antistatic dynamically (UNI EN ISO 21179) | yes |
| Static conductivity (UNI EN ISO 284) | yes |
| 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 |

SUITABLE FOR

Textile: automatic cutting
 Wood industry
 Box folding industry
 Packaging
 Airports
 Materials handling
 Tanning industry
 Tin cans magnetic elevators
 Cutting tables

NOTES

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

PRODUCT CODE NA305

Last Update: 11-12-2017

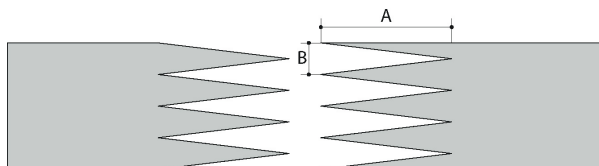
DISCLAIMER

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.

SILON 40 HC

Recommended joining procedure

SINGLE Z - 80 x 20 mm



| | |
|---|-------|
| A | 80 mm |
| B | 20 mm |

Other joining methods can be used:

DIAGONAL SINGLE Z
SKIVED JOINT '1'

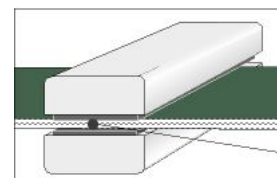
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press P \ PL \ PLS

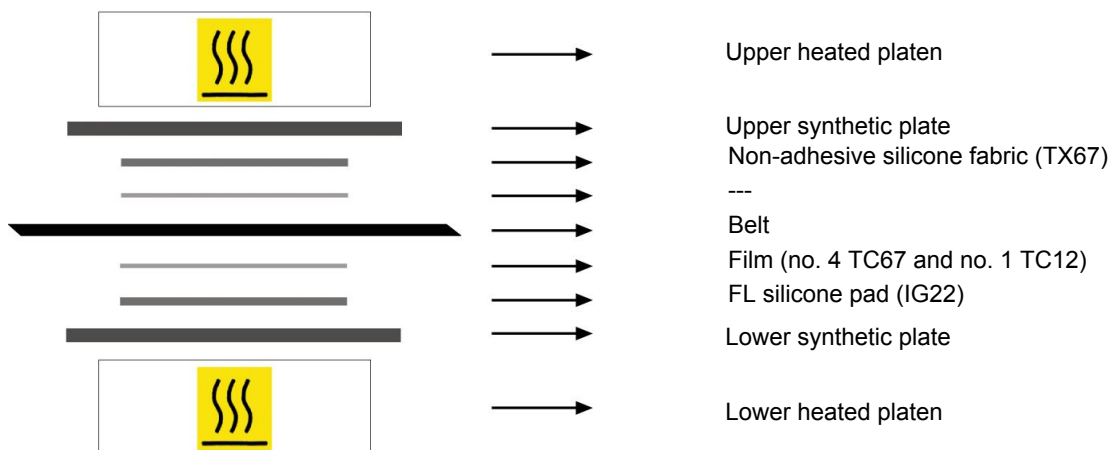
| Press settings | |
|---------------------------|-----------|
| Upper platen temperature | 165 °C |
| Lower platen temperature | 165 °C |
| Temperature gauge setting | 165 °C |
| Curing time in press | 3 min. |
| Pressure | 1,5 bar |
| Film | see notes |
| Cement | --- |

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



• Notes

1. Apply in sequence 4 layers of TC-67 + 1 layer of TC-12 film. PU layer on contact with the belt.
2. Space out the ends of 3 mm.

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• Recommended joining procedure

SKIVED JOINT '1'



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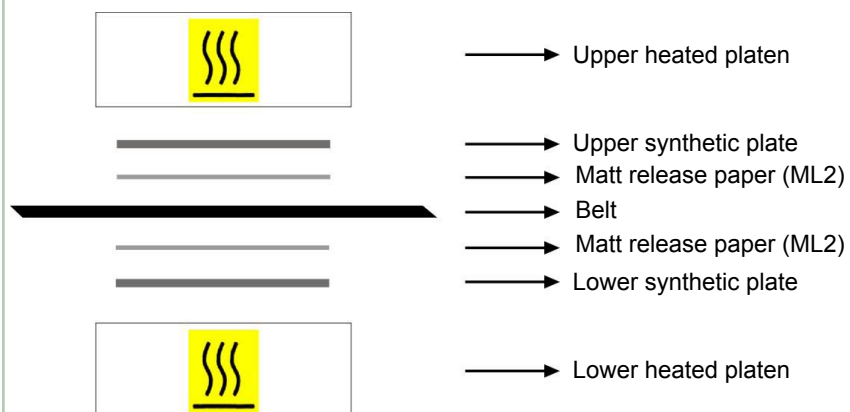
• Skiving instructions

| Skiver | Belt thickness mm | Length mm | Straight/ diagonal cut | Cam/ wedge number | Pulley | | | | Top cover | | | |
|---------|----------------------|--------------|------------------------------|-------------------------|---------|---------|-------------------------|---|-----------|---------|-------------------------|---|
| | | | | | T mm | B mm | Thickness adjustment | End stop switch of working plate | T mm | B mm | Thickness adjustment | End stop switch of working plate |
| B600 A | 4,0 | 50 | Diagonal | 1-10 | 10 | 15 | 17.70 | --- | --- | --- | --- | --- |
| B300 SA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

• Guide to the use of adhesives

Pour the **I 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.

• Layout of components



| Press settings | |
|--|---------|
| Upper platen temperature | 100 °C |
| Lower platen temperature | 100 °C |
| Curing time in press | 15 min. |
| Driving torque | 30 Nm |
| Cooling time: it is recommended to remove the belt from the press once a temperature of 60/70 degrees C is reached. | |

• Notes

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Last Update: 30-01-2014

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