

**CONVEYOR AND PROCESS BELTS**
**TECHNICAL DATA SHEET**
**CODE NA-1379**
**TYPE**
**EL4-U20 blue DET**
**COMPOSITION**

|                          |                         |                    |           |     |
|--------------------------|-------------------------|--------------------|-----------|-----|
| <b>Conveying surface</b> | Material                | Polyurethane (TPU) |           |     |
|                          | Thickness               | 2.00 mm            | 0.079 in. |     |
|                          | Surface pattern         | Matt               |           |     |
|                          | Colour                  | Dark blue          |           |     |
|                          | Coefficient of friction | MF                 |           |     |
| <b>Textile carcass</b>   | Material                | ---                |           |     |
|                          | Plies no.               | ---                |           |     |
|                          | Weft type               | ---                |           |     |
| <b>Driving surface</b>   | Material                | Polyurethane (TPU) |           |     |
|                          | Thickness               | ---                | mm        | --- |
|                          | Surface pattern         | FL                 |           |     |
|                          | Colour                  | Dark blue          |           |     |

**TECHNICAL SPECIFICATIONS**

|                                       |                        |                 |
|---------------------------------------|------------------------|-----------------|
| Total thickness                       | 2.00 mm                | 0.08 in.        |
| Weight                                | 2.30 kg/m <sup>2</sup> | 0.47 lbs./sq.ft |
| Elongation at 8%                      | 4 N/mm                 | 23.0 lbs./in.   |
| Max. admissible pull                  | 4 N/mm                 | 22.8 lbs./in.   |
| Temperature resistance <sup>(1)</sup> | min.                   | -30 °C -22 °F   |
|                                       | max.                   | 60 °C 140 °F    |

<sup>(1)</sup> Use of the belt with limit values may reduce its life.

 Minimum radius / diameter <sup>(2)</sup>

|                                        |       |          |
|----------------------------------------|-------|----------|
| ■ Knife edge minimum radius            | no    |          |
| ■ Bending roller min. diameter         | 10 mm | 0.39 in. |
| ■ Counter-bending roller min. diameter | 15 mm | 0.59 in. |

<sup>(2)</sup> The above mentioned values depend on the type of CHIORINO joint recommende

Coefficient of friction on driving surface

|                          |          |
|--------------------------|----------|
| ■ Raw steel sheet        | 0.40 [-] |
| ■ Laminated plastic/wood | 0.50 [-] |
| ■ Steel roller           | 0.40 [-] |
| ■ Rubberized roller      | 0.60 [-] |

Max. production width 2000 mm 79 in.

**SUITABLE FOR**

Food: slicing machines  
 Food: meat and fish processing  
 Food: cheese processing  
 Packaging  
 Check weighers  
 Pharmaceuticals industry



**FEATURES**

|                                                     |     |
|-----------------------------------------------------|-----|
| Humidity influence                                  | no  |
| Suitable to metal detector                          | no  |
| 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                                  | no  |
| Curved conveyor                                     | no  |
| Chemical resistances <a href="#">link</a>           | 12  |

**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  
 HACCP (Hazard Analysis and Critical Control Points)  
 FDA (Food and Drug Administration)  
 HALAL (World Halal Authority)


**NOTES**

Issue: 06-04-2017

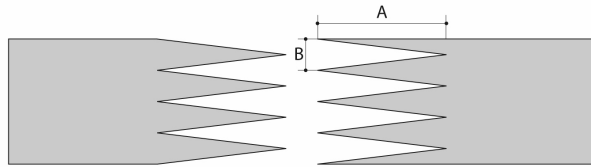
Last Update: 12-12-2018

**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.

CODE **NA-1379** TYPE **EL4-U20 blue DET**

Recommended joining procedure **SINGLE Z**



A = 50 mm  
B = 25 mm

Other joining methods can be used:

- DIAGONAL SINGLE Z
- MICRO Z
- OVERLAP
- BUTT SPLICE

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

• Pressing

Heating press **P \ PL \ PLS**

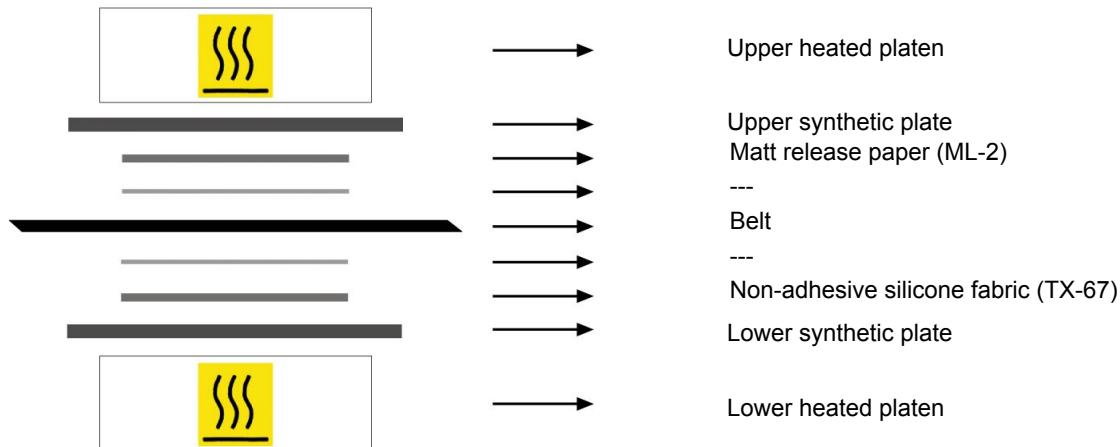
| Press settings            |        |
|---------------------------|--------|
| Upper platen temperature  | 165 °C |
| Lower platen temperature  | 165 °C |
| Temperature gauge setting | 165 °C |
| Curing time in press      | 4 min. |
| Pressure                  | 2 bar  |
| Film                      | none   |
| 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

Issued: 27-04-2017

Last Update: 27-04-2017

**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.