# CHIORINO® 1906

## CONVEYOR AND PROCESS BELTS

### TECHNICAL DATA SHEET

| CODE | NA-48 | TYPE | 2M12 U0-V10 N |
|------|-------|------|---------------|

### COMPOSITION

**Conveying surface**

| | | |
|---|---|---|
| Material | PVC 70 Sh.A (±5) | |
| Thickness | 1.00 mm | 0.039 in. |
| Surface pattern | Smooth | |
| Colour | Black | |
| Coefficient of friction | LF | |

**Textile carcass**

| | |
|---|---|
| Material | Polyester (PET) |
| Plies no. | 2 |
| Weft type | Rigid |

**Driving surface**

| | | |
|---|---|---|
| Material | Fabric with polyurethane (TPU) impregnation | |
| Thickness | --- mm | --- in. |
| Surface pattern | LdB fabric | |
| Colour | Grey | |
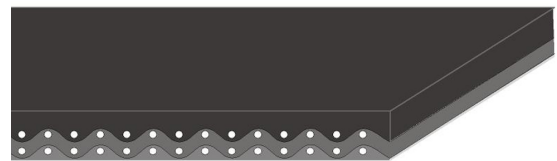
### TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Total thickness | 2.90 mm | 0.11 in. |
| Weight | 3.50 kg/m² | 0.71 lbs./sq.ft |
| Elongation at 1% | 12 N/mm | 69.0 lbs./in. |
| Max. admissible pull | 24 N/mm | 137.0 lbs./in. |

| Temperature resistance [1] | min. | -10 °C | 14 °F |
|---|---|---|---|
| | max. | 60 °C | 140 °F |

[1] Use of the belt with limit values may reduce its life.

Minimum radius / diameter [2]

| | | |
|---|---|---|
| ■ Knife edge minimum radius | no | |
| ■ Bending roller min. diameter | 60 mm | 2.36 in. |
| ■ Counter-bending roller min. diameter | 80 mm | 3.15 in. |

[2] The above mentioned values depend on the type of CHIORINO joint recommended.

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 | 3000 mm | 118 in. |
|---|---|---|

### SUITABLE FOR

Wood industry
Packaging
Airports
Telescopic belts
Mechanical industry

### FEATURES

| | |
|---|---|
| Humidity influence | no |
| Suitable to metal detector | no |
| Permanent antistatic dynamically (UNI EN ISO 21179) | yes |
| Static conductivity (UNI EN ISO 284) | no |
| Conveying on skid bed | yes |
| Conveying on rollers | yes |
| Conveying on skid bed on top and return | no |
| Troughed conveying | no |
| Swan neck conveying | yes |
| Inclined conveying | no |
| Accumulators belts | yes |
| Curved conveyor | no |
| Chemical resistances (see file available on line) | 2 |

### COMPLIANCES

REACH Regulation EC 1907/2006 and amendments

### NOTES

Issue: 24-07-2009          Last Update: 23-06-2016

| CODE | NA-48 | TYPE | **2M12 U0-V10 N** |
|------|-------|------|-------------------|

## Recommended joining procedure — SINGLE Z

A = 80 mm
B = 10 mm

**Other joining methods can be used:**

DIAGONAL SINGLE Z
DOUBLE Z
SKIVED JOINT '2'
STEP

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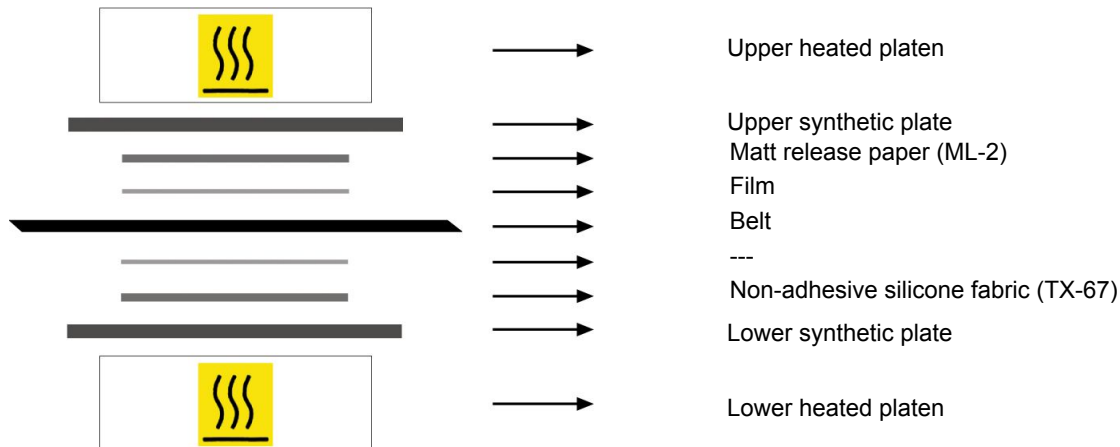
## • Pressing

**Heating press    P \ PL \ PLS**

| Press settings | |
|----------------|------------|
| Upper platen temperature | 175 °C |
| Lower platen temperature | 175 °C |
| Temperature gauge setting | 175 °C |
| Curing time in press | 3 min. |
| Pressure | 2 bar |
| Film | TC-28 - Black PVC film |
| Cement | --- |

1. Use the KM330 thermo-meter 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
Matt release paper (ML-2)

Film

Belt

---

Non-adhesive silicone fabric (TX-67)

Lower synthetic plate

Lower heated platen

## • Notes

Issued:  25-10-2004

Last Update:  30-01-2014