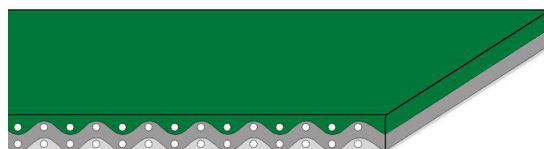


**CONVEYOR AND PROCESS BELTS**
**TECHNICAL DATA SHEET**

<b>CODE</b>	<b>NA-581</b>	<b>TYPE</b>	<b>2M5 U0-U2 A</b>
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**COMPOSITION**

<b>Conveying surface</b>	Material	Polyurethane (TPU)	
	Thickness	0.20 mm	0.008 in.
	Surface pattern	Smooth	
	Colour	Green	
	Coefficient of friction	LF	
<b>Textile carcass</b>	Material	Polyester (PET)	
	Plies no.	2	
	Weft type	Rigid	
<b>Driving surface</b>	Material	Fabric with polyurethane (TPU) impregnation	
	Thickness	--- mm	--- in.
	Surface pattern	Fabric	
	Colour	Grey	


**TECHNICAL SPECIFICATIONS**

Total thickness	1.20 mm	0.05 in.
Weight	1.40 kg/m <sup>2</sup>	0.29 lbs./sq.ft
Elongation at 1%	6 N/mm	34.0 lbs./in.
Max. admissible pull	12 N/mm	69.0 lbs./in.
Temperature resistance <sup>(1)</sup>	min.	-20 °C -4 °F
	max.	100 °C 212 °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                      4 mm    0,16 in.
- Bending roller min. diameter                      8 mm    0.31 in.
- Counter-bending roller min. diameter            16 mm   0.63 in.

<sup>(2)</sup> 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                      2000 mm    79 in.

**SUITABLE FOR**

- Packaging
- Materials handling
- Postal automation
- Steel blankets magnetic elevators

**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)	5

**COMPLIANCES**

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

**NOTES**

Issue: 24-07-2009

Last Update: 23-06-2016

**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-581** TYPE **2M5 U0-U2 A**

Recommended joining procedure **SINGLE Z**



Other joining methods can be used:

- DIAGONAL SINGLE Z
- MICRO Z
- DOUBLE Z
- SKIVED JOINT '1'

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

• Pressing

Heating press **P \ PL \ PLS**

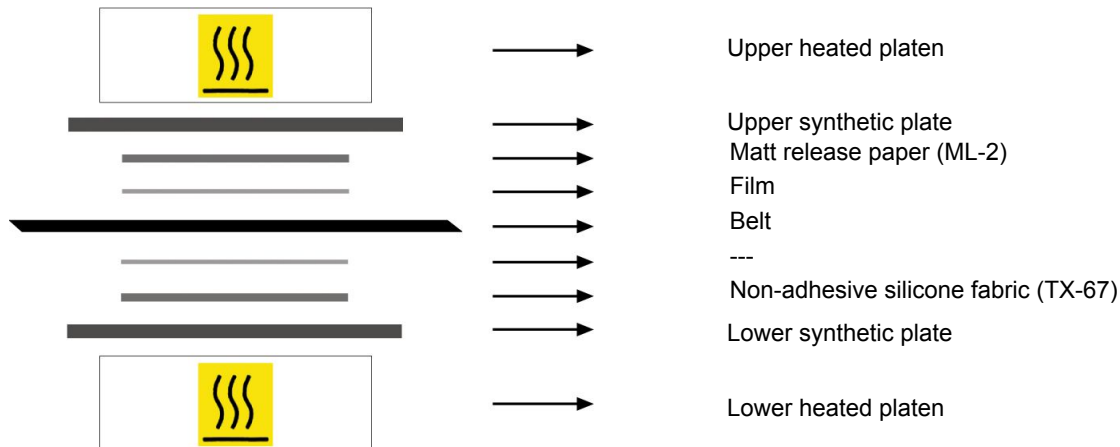
Press settings	
Upper platen temperature	160 °C
Lower platen temperature	160 °C
Temperature gauge setting	155 °C
Curing time in press	3 min.
Pressure	3 bar
Film	TC-31 - Green PU film
Cement	--

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: 12-04-2005

Last Update: 24-02-2014

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