

**CONVEYOR AND PROCESS BELTS  
TECHNICAL DATA SHEET**

<b>CODE</b>	<b>NA-1073</b>	<b>TYPE</b>	<b>XM-3 E/U10 blue</b>
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COMPOSITION			
top side conveying surface coating	material	Polyurethane (TPU)	
	thickness	1.0 mm	0.039 in.
	surface pattern	Smooth	
	colour	Blue	
	coeff. of friction	HF	
TRACTION CORE	material	PET layer	0.35 mm 0.014 in.
	bottom side driving surface coating	material	Polyester (PET) fabric
bottom side driving surface coating	surface pattern	Fabric	
	colour	Grey	



TECHNICAL SPECIFICATIONS			
Total thickness		2.70 mm	0.11 in.
Weight		2.60 kg/m <sup>2</sup>	0.53 lbs./sq.ft
Elongation at 1%		20 N/mm	114.0 lbs./in.
Max. admissible pull		30 N/mm	171.3 lbs./in.
Temperature resistance <sup>(1)</sup>	min.	-30 °C	-22 °F
	max.	+110 °C	230 °F
<sup>(1)</sup> use of the belt with limit values may reduce its life			
Minimum roller diameter <sup>(2)</sup>			
■ knife edge		no	
■ bending roller		100 mm	3.9 in.
■ counter-bending roller		180 mm	7.1 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		1500 mm	59 in.

**SUITABLE FOR**

Ceramic: rotary printer machines

FEATURES	
Humidity influence	no
Suitable to metal detector	yes
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	yes
Accumulators belts	no
Curved conveyor	no
Chemical resistances <a href="#">link</a>	5

**COMPLIANCES**

REACH EC 1907/2006 Regulation and Amendments

**NOTES**

- Minimum initial tension 0.2%
- To avoid stressing the mechanical parts, it is advised not to

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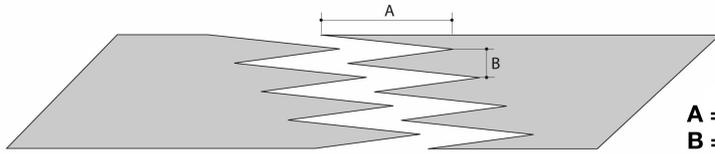
Date last modified: 23-06-2016

**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.

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**Recommended joining procedure** DIAGONAL SINGLE Z



**A = 110 mm**  
**B = 20 mm**

Other joining methods can be used:

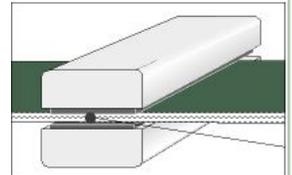
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press **P \ PL \ PLS**

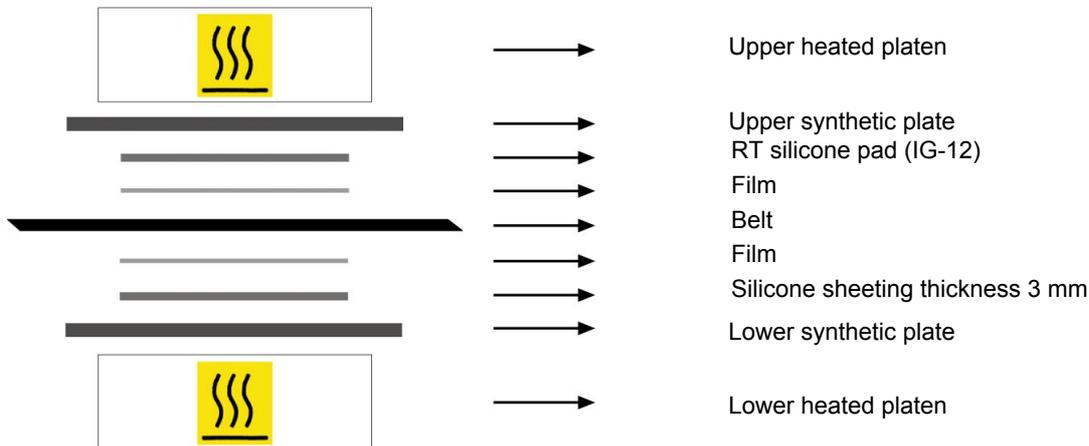
Press settings	
Upper platen temperature	160 °C
Lower platen temperature	120 °C
Temperature gauge setting	145 °C
Curing time in press	3 min.
Pressure	3 bar
Film	TC-553 - Film PU HP blue S
Cement	---

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

**Conveying side:** one TS-109 gauzes between the PU foil (TC-553) and the belt.  
**Driving side:** one reinforced film TC-10 with 130 mm length.  
The gauzes should be as long as the finger tips or longer.

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