

## CONVEYOR AND PROCESS BELTS

## TECHNICAL DATA SHEET

CODE	NA-1204		TYPE	XM-3 E/U10 N	
<b>COMPOSITION</b>					
Conveying surface	Material	Polyurethane (TPU)			
	Thickness	1.00 mm	0.039 in.		
	Surface pattern	Smooth			
	Colour	Black			
	Coefficient of friction	LF			
Textile carcass	Material	PET layer	0.35 mm	0.014 in.	
	Plies no.	---			
	Weft type	---			
Driving surface	Material	Fabric with polyurethane (TPU) impregnation			
	Thickness	---	mm	---	in.
	Surface pattern	Fabric			
	Colour	Grey			
<b>TECHNICAL SPECIFICATIONS</b>					
Total thickness	2.60 mm	0.10 in.			
Weight	2.90 kg/m <sup>2</sup>	0.59 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.	-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	no				
■ Bending roller min. diameter	100 mm	3.94 in.			
■ Counter-bending roller min. diameter	180 mm	7.09 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.			
<b>SUITABLE FOR</b>					
Ceramic: digital decoration					
Textile: printing blankets					
Printing and graphic: digital printing					
Wood industry: digital printing					
<b>FEATURES</b>					
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	no				
Accumulators belts	yes				
Curved conveyor	no				
Chemical resistances (see file available on line)	5				
<b>COMPLIANCES</b>					
REACH Regulation EC 1907/2006 and amendments					
<b>NOTES</b>					
Recommended initial tension 0.2÷0.5%					



Issue: 04-07-2013

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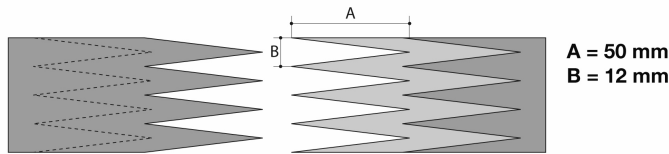
### DISCLAIMER

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-1204** TYPE **XM-3 E/U10 N**

Recommended joining procedure

DOUBLE Z



Other joining methods can be used:

DIAGONAL SINGLE Z  
SINGLE Z

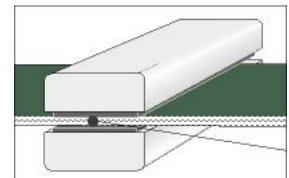
Check our general catalogue to get further info on CHIORINO joining methods.

• 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-67 - Black PU film
Cement	---

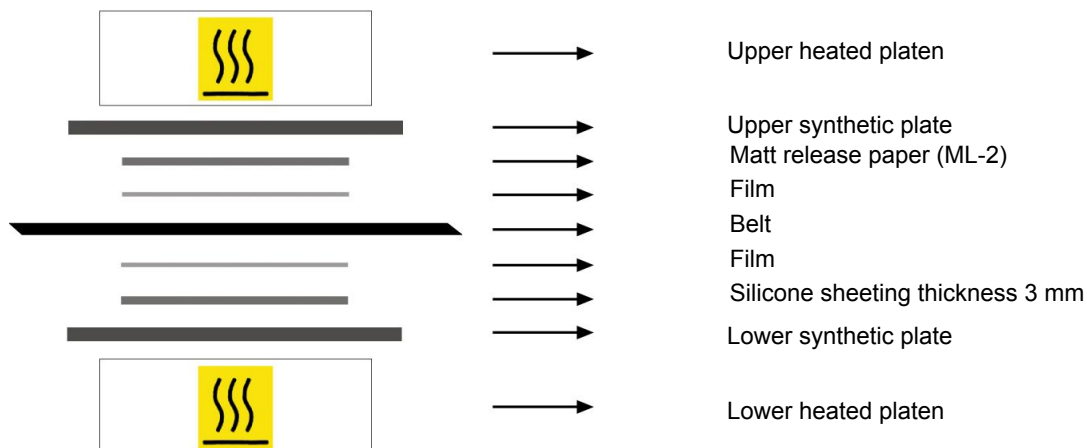
1. Use the KM330 thermometer to check the effective temperature inside the belt. Place the thermometer gauge as shown by the drawing at side.



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

**Driving side:** one TS-109 gauze between the PU foil (TC-67) and the belt.

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