

CONVEYOR AND PROCESS BELTS

TECHNICAL DATA SHEET

CODE **NA946**

TYPE

1M5 U0-U2 HP W S A

COMPOSITION

Conveying surface	Material	Polyurethane (TPU) - HP® system	
	Thickness	0.20 mm	0.008 in.
	Surface pattern	Smooth	
	Colour	White	
	Coefficient of friction	HF	
Textile carcass	Material	Polyester (PET) - HP® system	
	Plies no.	1	
	Weft type	Rigid	
Driving surface	Material	Fabric polyurethane (TPU) impregn. - HP® system	
	Thickness	--- mm	--- in.
	Surface pattern	Fabric	
	Colour	Light blue	

TECHNICAL SPECIFICATIONS

Total thickness	0.70 mm	0.03 in.
Weight	0.80 kg/m ²	0.16 lbs./sq.ft
Elongation at 1%	5 N/mm	29.0 lbs./in.
Max. admissible pull	5 N/mm	28.6 lbs./in.
Temperature resistance ⁽¹⁾	min.	-30 °C -22 °F
	max.	110 °C 230 °F

⁽¹⁾ Use of the belt with limit values may reduce its life.

Minimum radius / diameter ⁽²⁾

■ Knife edge minimum radius	3 mm	0,12 in.
■ Bending roller min. diameter	6 mm	0.24 in.
■ Counter-bending roller min. diameter	16 mm	0.63 in.

⁽²⁾ The above mentioned values depend on the type of CHIORINO joint recommended.

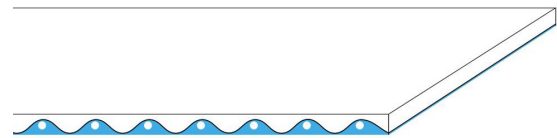
Coefficient of friction on driving surface

■ Raw steel sheet	0.20 [-]
■ Laminated plastic/wood	0.25 [-]
■ Steel roller	0.20 [-]
■ Rubberized roller	0.30 [-]

Max. production width 2100 mm 83 in.

SUITABLE FOR

Food: slicing machines
 Food: dairy
 Food: bread
 Food: biscuits and crackers
 Food: sweet and salty snacks
 Food: chocolate bars
 Packaging
 Pharmaceuticals industry
 Food: pizza



PRODUCT SYSTEM 

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	no
Inclined conveying	yes
Accumulators belts	no
Curved conveyor	no
Chemical resistances link	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)
 USDA Meat&Poultry (United States Department of Agriculture)
 USDA Dairy (United States Department of Agriculture)
 NSF/ANSI 3-A 14159-3-2014 Regulation and Amendments



NOTES

Issue: 24-07-2009

Last Update: 11-05-2021

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 **SINGLE Z - 80 x 10 mm**



Other joining methods can be used:

- DIAGONAL SINGLE Z
- MICRO Z - 30 x 6 mm

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

• Pressing

Heating press **P \ PL \ PLS**

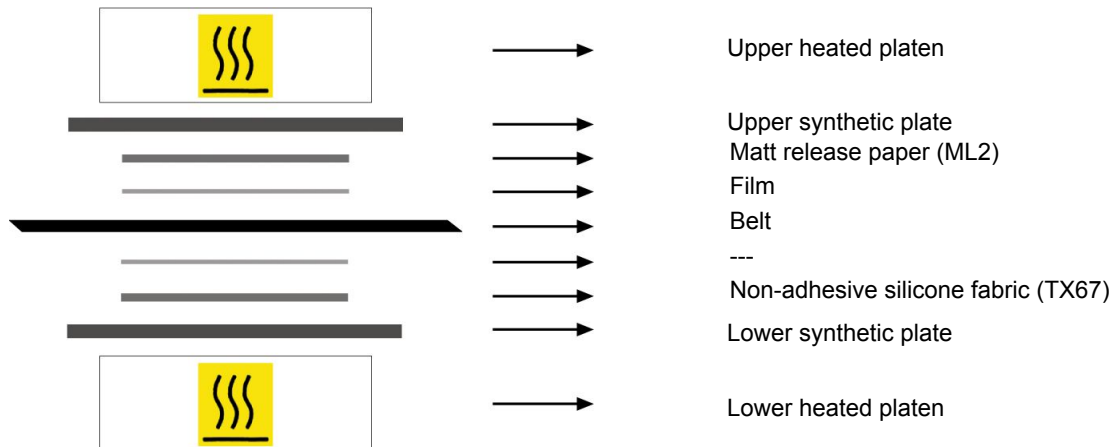
Press settings	
Upper platen temperature	145 °C
Lower platen temperature	145 °C
Temperature gauge setting	145 °C
Curing time in press	3 min.
Pressure	3 bar
Film	TC554 - Film PU HP white S
Cement	---

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

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