

CONVEYOR AND PROCESS BELTS
TECHNICAL DATA SHEET
CODE NA-947
TYPE
1M5 U0-U2 HP VL blue A
COMPOSITION

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


PRODUCT SYSTEM 
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: chocolate bars
 Food: conveying of dried pasta
 Packaging
 Pharmaceuticals industry
 Food: pizza

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	no
Accumulators belts	no
Curved conveyor	no
Chemical resistances (see file available on line)	12

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

Thanks to the outstanding resistance to abrasion, oils, fats, detergents and to the most aggressive cleaning procedures, the HP product system is specially recommended for applications that require compliance with HACCP (Hazard Analysis and Critical Control Point) and IFS (International Food Standard).

Issue: 24-07-2009

Last Update: 21-12-2017

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-947** TYPE **1M5 U0-U2 HP VL blue A**

Recommended joining procedure SINGLE Z



Other joining methods can be used:

- DIAGONAL SINGLE Z
- MICRO Z

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

• Pressing

Heating press **P \ PL \ PLS**

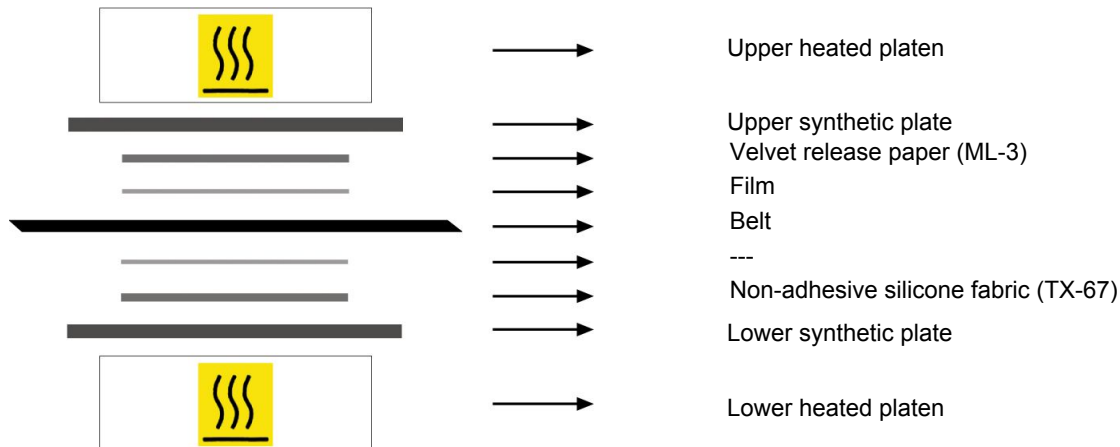
Press settings	
Upper platen temperature	155 °C
Lower platen temperature	155 °C
Temperature gauge setting	155 °C
Curing time in press	3 min.
Pressure	3 bar
Film	TC-370 - PU HP blue film
Cement	---

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: 28-11-2006

Last Update: 30-01-2014

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.