

CONVEYOR AND PROCESS BELTS

TECHNICAL DATA SHEET

CODE **NA-899**

TYPE

EL4-U20 HP blue

COMPOSITION

Conveying surface	Material	Polyurethane (TPU) - HP® system		
	Thickness	2.00 mm	0.079 in.	
	Surface pattern	Smooth		
	Colour	HP® blue		
	Coefficient of friction	MF		
Textile carcass	Material	---		
	Plies no.	---		
	Weft type	---		
Driving surface	Material	Polyurethane (TPU) - HP® system		
	Thickness	---	mm	---
	Surface pattern	FL		
	Colour	HP® blue		

TECHNICAL SPECIFICATIONS

Total thickness	2.00 mm	0.08 in.
Weight	2.30 kg/m ²	0.47 lbs./sq.ft
Elongation at 8%	4 N/mm	23.0 lbs./in.
Max. admissible pull	4 N/mm	22.8 lbs./in.
Temperature resistance ⁽¹⁾	min.	-30 °C -22 °F
	max.	60 °C 140 °F

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

Minimum radius / diameter ⁽²⁾		
■ Knife edge minimum radius	no	
■ Bending roller min. diameter	10 mm	0.39 in.
■ Counter-bending roller min. diameter	15 mm	0.59 in.

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

Coefficient of friction on driving surface		
■ Raw steel sheet	0.40 [-]	
■ Laminated plastic/wood	0.50 [-]	
■ Steel roller	0.40 [-]	
■ Rubberized roller	0.60 [-]	

Max. production width	2000 mm	79 in.
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SUITABLE FOR

Food: slicing machines
 Food: meat and fish processing
 Food: cheese processing
 Packaging
 Check weighers
 Pharmaceuticals industry



PRODUCT SYSTEM 

FEATURES

Humidity influence	no
Suitable to metal detector	yes
Permanent antistatic dynamically (UNI EN ISO 21179)	no
Static conductivity (UNI EN ISO 284)	no
Conveying on skid bed	yes
Conveying on rollers	yes
Conveying on skid bed on top and return	yes
Troughed conveying	yes
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).

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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.

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Recommended joining procedure **SINGLE Z**



Other joining methods can be used:

- DIAGONAL SINGLE Z
- MICRO Z
- BUTT SPLICE

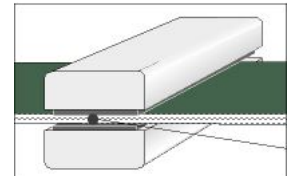
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

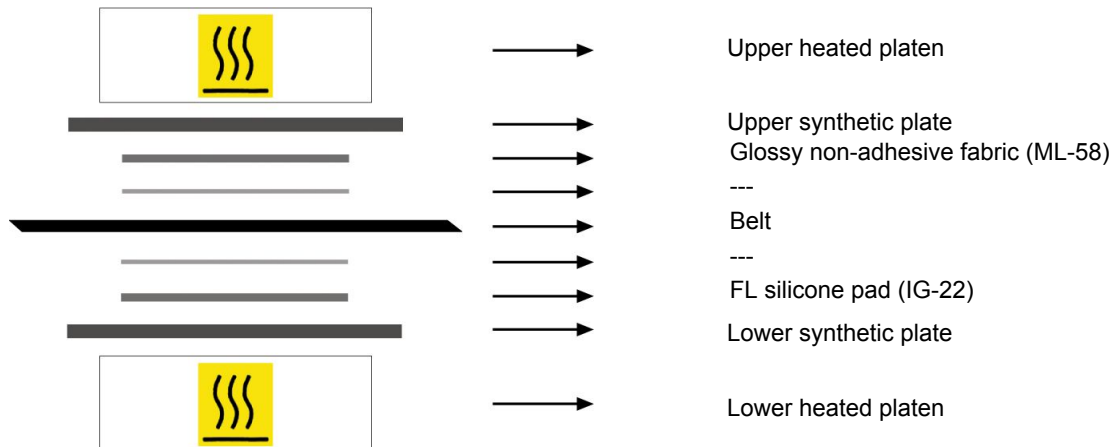
Heating press **P \ PL \ PLS**

Press settings	
Upper platen temperature	160 °C
Lower platen temperature	160 °C
Temperature gauge setting	160 °C
Curing time in press	3 min.
Pressure	2 bar
Film	none
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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