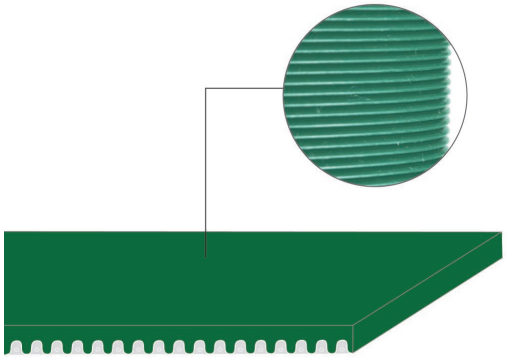
CONVEYOR AND PROCESS BELTS | TECHNICAL DATA SHEET

1EL4 U0-U12 LG S

COMPOSITION

Conveying surface	Material	Polyurethane (TPU)		
	Thickness	1.20 mm	*0.047*	*in.*
	Surface pattern	LG		
	Colour	Green		
	Coefficient of friction	HF		
Textile carcass	Material	Polyester (PET)		
	Plies no.	1		
	Weft type	Combined		
Driving surface	Material	Fabric with polyurethane (TPU) impregnation		
	Thickness	--- mm	---	*in.*
	Surface pattern	Fabric		
	Colour	Blue		



TECHNICAL SPECIFICATIONS

Total thickness		2.50 mm	*0.10*	*in.*
Weight		2.60 kg/m²	*0.53*	*lbs./sq.ft*
Elongation at 1%		0.5 N/mm	*3.0*	*lbs./in.*
Max. admissible pull		4 N/mm	*23.0*	*lbs./in.*
Temperature resistance [1]	min.	-20 °C	*-4*	*°F*
	max.	100 °C	*212*	*°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	30 mm	*1.18*	*in.*
Counter-bending roller min. diameter	30 mm	*1.18*	*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	2000 mm	*79*	*in.*

SUITABLE FOR

Materials handling

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 link	5

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments

NOTES

1EL: the value indicated in "1% Elongation" refers to the relaxed K value.

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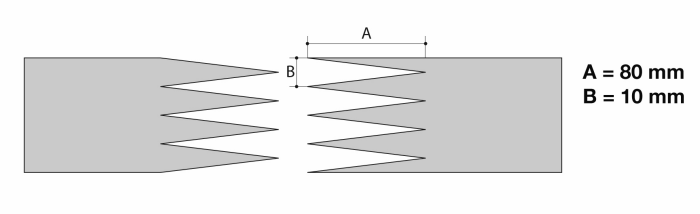
Recommended joining procedure SINGLE Z - 80 x 10 mm



A = 80 mm
B = 10 mm

Other joining methods can be used:

DIAGONAL SINGLE Z

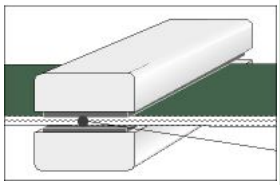
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press **P \ PL \ PLS**

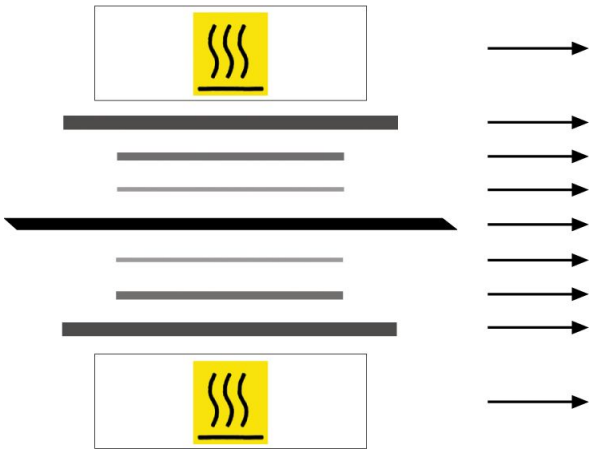
Press settings	
Upper platen temperature	155 °C
Lower platen temperature	155 °C
Temperature gauge setting	155 °C
Curing time in press	3 min.
Pressure	2,5 bar
Film	
Cement	---

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



Upper heated platen

Upper synthetic plate

LG silicone pad (IG25)

Belt

Non-adhesive silicone fabric (TX67)

Lower synthetic plate

Lower heated platen

• Notes

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