

## CONVEYOR AND PROCESS BELTS

## TECHNICAL DATA SHEET

CODE	NA-405	TYPE	EL4-U20 FH
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### COMPOSITION

Conveying surface	Material	Polyurethane (TPU)	
	Thickness	1.10 mm	0.043 in.
	Surface pattern	FH	
	Colour	Green	
	Coefficient of friction	MF	
Textile carcass	Material	---	
	Plies no.	---	
	Weft type	---	
Driving surface	Material	Polyurethane (TPU)	
	Thickness	1.00 mm	0.039 in.
	Surface pattern	FL	
	Colour	Black	

### TECHNICAL SPECIFICATIONS

Total thickness	2.30 mm	0.09 in.
Weight	2.10 kg/m <sup>2</sup>	0.43 lbs./sq.ft
Elongation at 8%	4 N/mm	23.0 lbs./in.
Max. admissible pull	4 N/mm	23.0 lbs./in.
Temperature resistance <sup>(1)</sup>	min.	-20 °C -4 °F
	max.	60 °C 140 °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	10 mm	0.39 in.
■ Counter-bending roller min. diameter	15 mm	0.59 in.

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

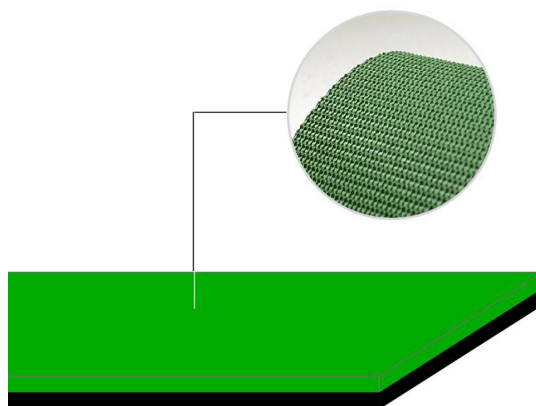
Coefficient of friction on driving surface

■ Raw steel sheet	0.40 [-]
■ Laminated plastic/wood	0.50 [-]
■ Steel roller	0.40 [-]
■ Rubberized roller	0.60 [-]

Max. production width 2000 mm 79 in.

### SUITABLE FOR

Paper industry: cutters  
 Printing and graphic: stacking  
 Printing and graphic: gathering  
 Printing and graphic: wrapping / binding  
 Materials handling: multiple drives  
 Tanning industry  
 Industrial laundries



### 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	yes
Accumulators belts	no
Curved conveyor	no
Chemical resistances (see file available on line)	5

### 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

Issue: 24-07-2009

Last Update: 23-06-2016

### 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-405** TYPE **EL4-U20 FH**

Recommended joining procedure **SINGLE Z**



Other joining methods can be used:

- DIAGONAL SINGLE Z
- MICRO Z
- OVERLAP
- BUTT SPLICE

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

• Pressing

Heating press **P \ PL \ PLS**

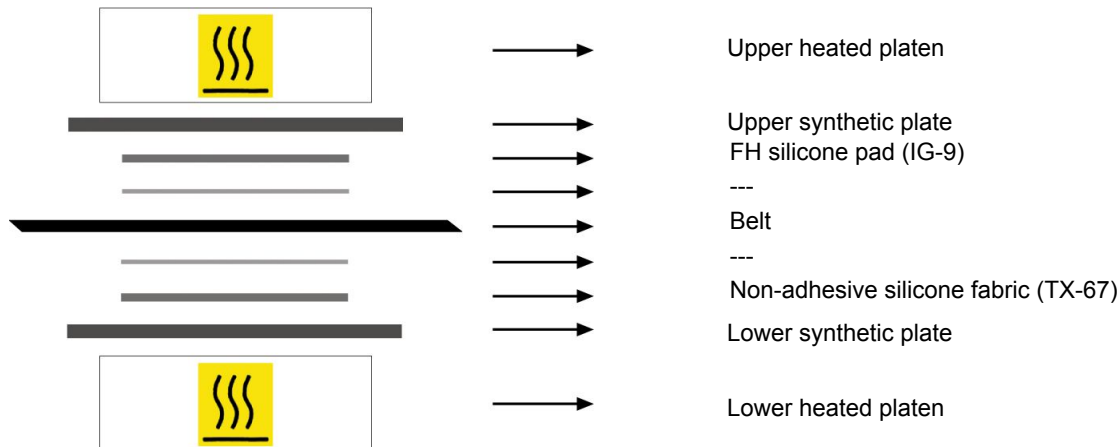
Press settings	
Upper platen temperature	160 °C
Lower platen temperature	160 °C
Temperature gauge setting	160 °C
Curing time in press	--- min.
Pressure	2 bar
Film	none
Cement	--

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

Issued: 26-04-2005

Last Update: 30-01-2014

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