

CONVEYOR AND PROCESS BELTS

TECHNICAL DATA SHEET

CODE	NA-1406	TYPE	3M8 U0-U5 blue DET
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COMPOSITION

Conveying surface	Material	Polyurethane (TPU)	
	Thickness	0.50 mm	0.020 in.
	Surface pattern	Smooth and matt	
	Colour	Dark blue	
	Coefficient of friction	MF	
Textile carcass	Material	Polyester (PET)	
	Plies no.	3	
	Weft type	Rigid	
Driving surface	Material	Fabric with polyurethane (TPU) impregnation	
	Thickness	---	mm --- in.
	Surface pattern	Fabric	
	Colour	Light blue	

TECHNICAL SPECIFICATIONS

Total thickness	2.30 mm	0.09 in.
Weight	2.40 kg/m ²	0.49 lbs./sq.ft
Elongation at 1%	8 N/mm	46.0 lbs./in.
Max. admissible pull	16 N/mm	91.4 lbs./in.
Temperature resistance ⁽¹⁾	min.	-30 °C -22 °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	60 mm	2.36 in.
■ Counter-bending roller min. diameter	100 mm	3.94 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.
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SUITABLE FOR

Food industry




FEATURES

Humidity influence	no
Suitable to metal detector	no
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	yes
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, DET belts are 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.

CODE **NA-1406** TYPE **3M8 U0-U5 blue DET**

Recommended joining procedure **SINGLE Z**



Other joining methods can be used:

- DIAGONAL SINGLE Z
- DOUBLE Z
- SKIVED JOINT '1'
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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	155 °C
Temperature gauge setting	155 °C
Curing time in press	4 min.
Pressure	2,5 bar
Film	TC-636 - Film PU Blue DET
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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