CHIORINO 1906

CONVEYOR AND PROCESS BELTS **TECHNICAL DATA SHEET**

2DM18 U0-U20 N A

COMPOSITION

Conveying surface	Material	Polyurethane (TPU)		
	Thickness	2.00 mm	*0.079*	*in.*
	Surface pattern	Matt		
	Colour	Black		
	Coefficient of friction	MF		
Textile carcass	Material	Polyester (PET)		
	Plies no.	2		
	Weft type	Double weft rigid		
Driving surface	Material	Fabric with polyurethane (TPU) impregnation		
	Thickness	--- mm	---	*in.*
	Surface pattern	Fabric		
	Colour	Grey		

TECHNICAL SPECIFICATIONS

Total thickness		5.50 mm	*0.22*	*in.*
Weight		6.00 kg/m²	*1.22*	*lbs./sq.ft*
Elongation at 1%		18 N/mm	*103.0*	*lbs./in.*
Max. admissible pull		36 N/mm	*206.0*	*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	120 mm	*4.72*	*in.*
Counter-bending roller min. diameter	200 mm	*7.87*	*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	3500 mm	*138*	*in.*

SUITABLE FOR

Recycling

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	yes
Inclined conveying	no
Accumulators belts	yes
Curved conveyor	no
Chemical resistances link	5

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments

NOTES

PRODUCT CODE NA1812 Last Update: 06-05-2024

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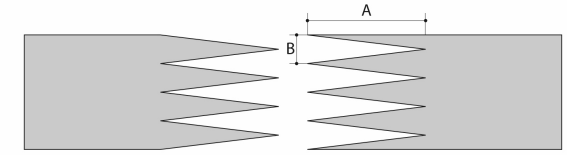
Recommended joining procedure SINGLE Z - 80 x 10 mm



A = 80 mm
B = 10 mm

Other joining methods can be used:

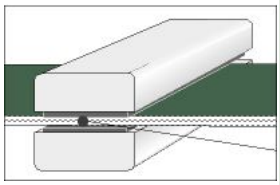
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press **P \ PL \ PLS**

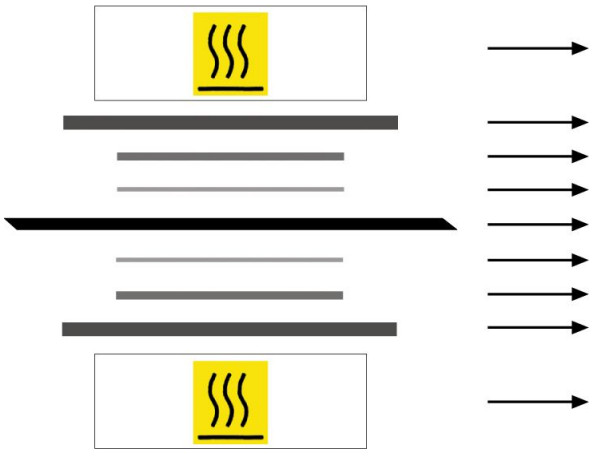
Press settings	
Upper platen temperature	150 °C
Lower platen temperature	155 °C
Temperature gauge setting	152 °C
Curing time in press	4 min.
Pressure	2,5 bar
Film	none
Cement	---

1. Use the KM330 thermo-meter 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
Matt release paper (ML2)
Belt
Non-adhesive silicone fabric (TX67)
Lower synthetic plate
Lower heated platen

• Notes

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