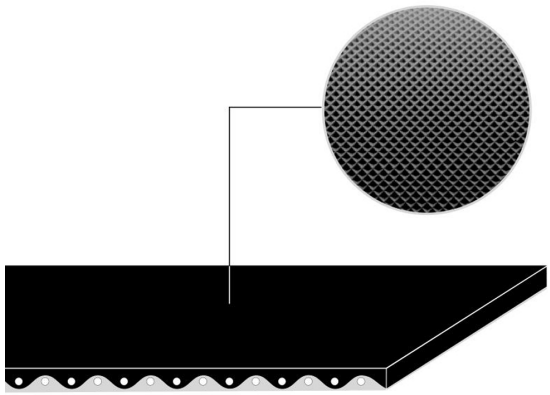
CONVEYOR AND PROCESS BELTS

TECHNICAL DATA SHEET

CODE NA-867 **TYPE** **1M12 U0-V5 PN FR**

COMPOSITION

Conveying surface	Material	PVC 40 Sh.A (±5)
	Thickness	0.70 mm *0.028 in.*
	Surface pattern	PN
	Colour	Anthracite
	Coefficient of friction	HF
Textile carcass	Material	Polyester (PET)
	Plies no.	1
	Weft type	Rigid
Driving surface	Material	Fabric with polyurethane (TPU) impregnation
	Thickness	--- mm --- *in.*
	Surface pattern	LdB fabric
	Colour	Grey



TECHNICAL SPECIFICATIONS

Total thickness	1.80 mm	*0.07*	*in.*
Weight	1.90 kg/m²	*0.39*	*lbs./sq.ft*
Elongation at 1%	8 N/mm	*46.0*	*lbs./in.*
Max. admissible pull	12 N/mm	*68.5*	*lbs./in.*
Temperature resistance (1) min.	-10 °C	*14*	*°F*
Temperature resistance (1) 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	40 mm	*1.57*	*in.*
Counter-bending roller min. diameter	60 mm	*2.36*	*in.*

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

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

Packaging
Airports
Materials handling
Postal automation

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	yes
Accumulators belts	no
Curved conveyor	no
Chemical resistances link	9

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments
Flame Retardant UNI EN ISO 340
Flame Retardant UL94HB Horizontal Burning

NOTES

Issue: 24-07-2009 Last Update: 23-06-2016

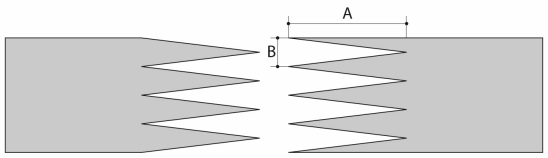
DISCLAIMER
The information contained in this document describes the features of the CHIORINO product as tested in a laboratory environment at a temperature of +23 degrees °C at 50% relative humidity. It does not necessarily reflect the conditions of industrial use and it does not guarantee the product 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.

CHIORINO S.p.A. - VIA S. AGATA, 9 - 13900 BIELLA - ITALIA - P.O.B. 460 - TEL. +39-015-8489.1 - FAX +39-015.8496161
chiorino@chiorino.com - www.chiorino.com

CONVEYOR AND PROCESS BELTS | **JOINING TECHNICAL DATA SHEET**

CODE NA-867 **TYPE** **1M12 U0-V5 PN FR**

Recommended joining procedure SINGLE Z



A = 80 mm
B = 10 mm

Other joining methods can be used:

DIAGONAL SINGLE Z

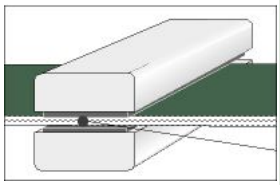
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press **P \ PL \ PLS**

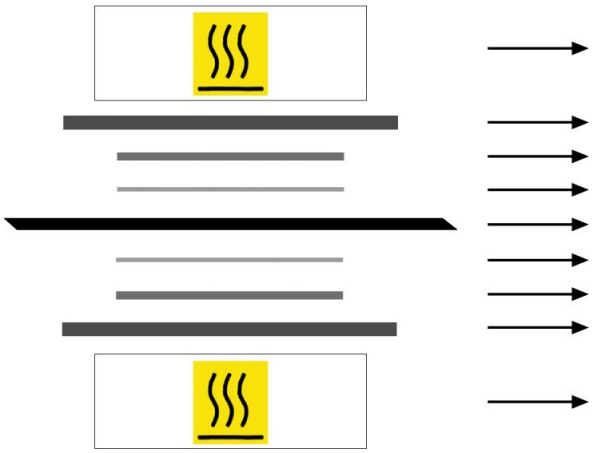
Press settings	
Upper platen temperature	170 °C
Lower platen temperature	130 °C
Temperature gauge setting	150 °C
Curing time in press	3 min.
Pressure	3 bar
Film	TC-448 - Film PVC FR black
Cement	---

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
PN silicone pad (IG-11)
Film
Belt

Non-adhesive silicone fabric (TX-67)
Lower synthetic plate
Lower heated platen

• Notes

Issued: 11-05-2006 Last Update: 30-01-2014

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.

CHIORINO S.p.A. - VIA S. AGATA, 9 - 13900 BIELLA - ITALIA - P.O.B. 460 - TEL. +39-015-8489.1 - FAX +39-015.8496161
chiorino@chiorino.com - www.chiorino.com