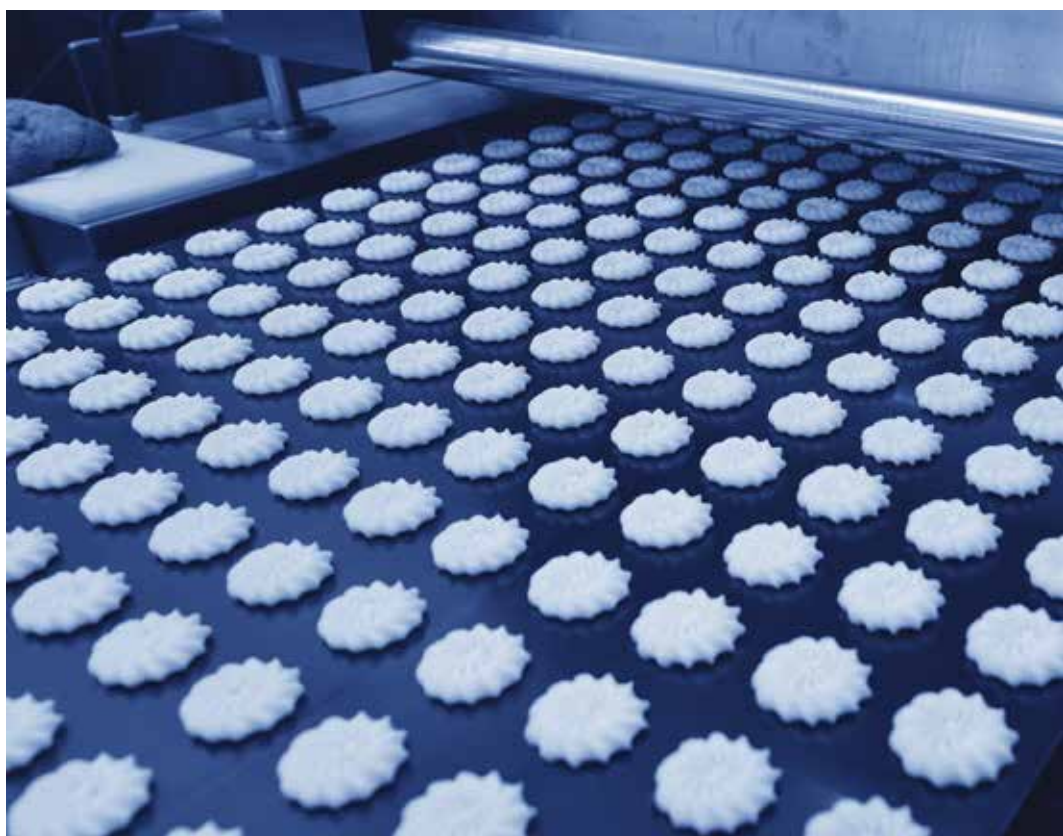


**Your partner
for food safety**

Detectable conveyor and process belts





Detectable conveyor belts



Chiorino DET® is a full range of **food grade metal detectable** products.

The exclusive DET® TPU belt is **recognized** in very **small particles** by the metal detectors used in food processing and packaging.

Chiorino DET® line guarantees a **safest food production** and **prevents products recalls**.

FEATURES



BENEFITS

Highest detectability

>

No food contamination
Waste reduction
Prevent product recalls

Excellent resistance to bacteria proliferation
and cleaning procedures
Fray-free design

>

Guaranteed food safety
No food contamination

Excellent flexibility

>

Ideal for knife edge

Superior resistance to cut, abrasion
and aggressive fats and oils

>

Long service life

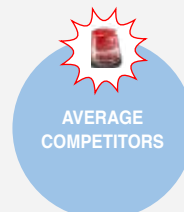
DET® Superior detectability +300%

R&D comparison between Chiorino DET® line and average competitors shows that the DET® line is far more detectable: **+ 300%**.

A very small debris of DET® belt is recognized by the metal detector.

The **prompt identification** and removal of the contaminated product assures a **safest food** processing and packaging.

MINIMUM DETECTABLE PART



AVERAGE
COMPETITORS



CHIORINO
DET®

Based on R&D analysis run on the same metal detector. The Chiorino DET® particle recognized by metal detector is three times smaller than competitor's.

DET® Protections

Chiorino DET® **elastic belts** are successfully used as **components** and **protection parts** in food processing.

Plastic accessories and components are widely used in food production lines, such as:

- Lateral protections
- Machinery sheets
- Dough feeders coatings
- Wheels
- Skids coverings etc.

They're often **not visible** or **not easily reachable** by the operator, as in the aerial conveyors, in closed structure frames or in case of poor layout accessibility.

Chiorino DET® protections assure

- **Highest detectability**
- **Total food compliance.**



DET® Customized components

Chiorino produces DET® customized components for particular processing needs, such as AC593 **Wheel blue DET** used for cheese spreading in pizza production.



Profiles / Guides

	Code	Type	Material	Colour	Dimensions b x h mm	Base	Hardness Sh.	Min. pitch		Min. diameter ¹	
								long. mm	transv. mm	long. mm	transv. mm
	ES751	K6 U P blue DET	TPU	dark blue	6 x 3	flat	85 A	40	40	35	---
	ES752	K8 U blue DET	TPU	dark blue	8 x 5	grooved	85 A	40	40	50	---
	ES733	K10 U blue DET	TPU	dark blue	10 x 6	grooved	85 A	40	40	65	---
	ES826	K13 U blue DET	TPU	dark blue	13 x 8	grooved	85 A	45	45	85	80
	ES813	K17 U blue DET	TPU	dark blue	17 x 11	grooved	85 A	45	45	125	120
	ES827	KN13 U blue DET	TPU	dark blue	13 x 8	grooved	85 A	45	45	60	-
	ES814	KN17 U blue DET	TPU	dark blue	17 x 11	grooved	85 A	45	45	120	-
	ES844	S8 U blue DET	TPU	dark blue	8 x 8	grooved	70 A	40	40	70	50
	ES843	S12 U blue DET	TPU	dark blue	12 x 12	grooved	70 A	45	45	100	80
	ES869	T20 U blue DET	TPU	dark blue	10 x 20	flat	85 A	---	45	---	60
	ES870	T30 U blue DET	TPU	dark blue	10 x 30	flat	85 A	---	45	---	60
	ES803	T40 U blue DET	TPU	dark blue	10 x 40	flat	85 A	---	45	---	60
	ES804	T50 U blue DET	TPU	dark blue	10 x 50	flat	85 A	---	45	---	60
	ES871	T60 U blue DET	TPU	dark blue	10 x 60	flat	85 A	---	45	---	60
	ES845	T50 U blue DET 55D	TPU	dark blue	10 x 50	flat	55 D	---	45	---	60

¹ Minimum pulley diameters referred to environment condition of 20 °C

Sidewalls

	Code	Type	Material	Colour	Dimensions			Hardness Sh.	Thickness mm	Min. diameter ¹ mm
					Base mm	Height mm	Pitch mm			
	ES848	C-U 10/20 blue DET	TPU	dark blue	22	20	24	85 A	1.7	50
	ES849	C-U 10/30 blue DET	TPU	dark blue	22	30	24	85 A	1.7	70
	ES850	C-U 10/40 blue DET	TPU	dark blue	22	40	24	85 A	1.7	100
	ES851	C-U 10/50 blue DET	TPU	dark blue	22	50	24	85 A	1.7	120
	ES852	C-U 20/60 blue DET	TPU	dark blue	42	60	50	85 A	1.7	150
	ES853	C-U 20/80 blue DET	TPU	dark blue	42	80	50	85 A	1.7	190

¹ Minimum pulley diameters referred to environment condition of 20 °C

The technical data are valid under normal environmental conditions and are subject to change without notice.



Certified Food Compliance

To protect Consumer's health, Chiorino DET[®] comply with the latest european and international Food Regulations:

REGULATION EC 1935/2004 and amendments

REGULATION EC 2023/2006 and amendments

REGULATION EU 10/2011 and amendments

FDA (Food and Drug Administration)

HALAL (World Halal Authority)



Conveyor belts

Code	Type	Material	Colour	Permanent antistatic	Total thickness	Knife edge min. radius ¹	Min. pulley diameter ¹	Pull for 1% elongation ²	Temperature resistance °C	
					mm	mm	mm	N/mm	min.	max.
NA1379	EL4-U20 blue DET	TPU	dark blue		2.0	---	10	4 ²	-30	60
NA1323	EL6-U30 blue DET	TPU	dark blue		3.0	---	20	6 ²	-30	60
NA1558	1M5 U0-U2 blue DET	TPU	dark blue	•	0.8	4	8	5	-30	100
NA1565	2M5 U0-U0 blue DET	TPU	dark blue	•	1.0	4	8	5	-30	100
NA1373	2M5 U0-U2 blue DET	TPU	dark blue	•	1.3	4	8	5	-30	100
NA1427	2M5 U0-U2 PN blue DET	TPU	dark blue	•	1.6	4	8	5	-30	100
NA1564	2M5 U0-U15 ST blue DET	TPU	dark blue	•	3.5	---	50	5	-30	100
NA1474	2MT5 U0-U2 blue DET	TPU	dark blue	•	1.4	4	8	5	-30	100
NA1526	2M12 U0-U15 LT blue DET	TPU	dark blue	•	6.0	---	50	12	-30	100
NA1374	2T12 U0-U2 blue DET	TPU	dark blue	•	1.6	---	25	12	-30	100
NA1406	3M8 U0-U5 blue DET	TPU	dark blue	•	2.3	---	60	8	-30	100

DET® belts can be supplied with **sealed edges**.

¹ Minimum radius / pulley diameter dependent on the joint recommended by Chiorino.

² EL series belts: pull for 8% elongation

Positive Drive belts

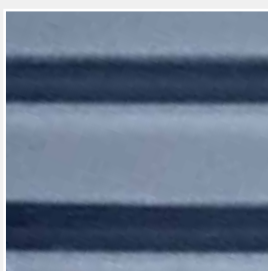
Code	Type	Material	Colour	Total thickness	Pitch	Tooth section b x h	Tooth length	Min. diameter ¹	Pull for 1% elong.	Temperature resistance °C	
				mm	mm	mm	mm	mm	N/mm	min.	max.
NA1482F_D6	Compact Minidrive 15/20 A blue DET	TPU	dark blue	1.5	20	6 x 4	72	20	10	-30	90
NA1461F_D6	Compact Minidrive 15/20 blue DET	TPU	dark blue	1.5	20	6 x 4	72	25	5	-30	90
NA1460C_D13	Compact Drive 25/40 blue DET	TPU	dark blue	2.5	40	13 x 8	72	80	8	-30	90
NA1561C_D13	Compact Drive 25/40 PN blue DET	TPU	dark blue	2.5	40	13 x 8	72	80	8	-30	90

¹ Minimum pulley diameter is dependent on the joint recommended by Chiorino.

Round belts

Code	Type	Material	Colour	Diameter	Surface	Hardness	Pull for 8% elongation	Min. diameter	Temperature resistance	
				mm		Sh.	N	mm	min. °C	max. °C
ES873	RU-3 blue DET	TPU	dark blue	3	smooth	85 A	18	20	-20	60
ES790	RU-4 blue DET	TPU	dark blue	4	smooth	85 A	30	35	-20	60
ES822	RU-5 blue DET	TPU	dark blue	5	smooth	85 A	50	45	-20	60
ES832	RU-5 R blue DET	TPU	dark blue	5	rough	70 A	50	45	-20	60
ES791	RU-6 blue DET	TPU	dark blue	6	smooth	85 A	70	50	-20	60
ES792	RU-8 blue DET	TPU	dark blue	8	smooth	85 A	130	70	-20	60
ES830	RU-8 R blue DET	TPU	dark blue	8	rough	70 A	130	70	-20	60

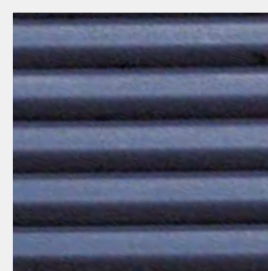
TEXTURES



LT



PN



ST