

**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

Full compliance with food regulations
Excellent resistance to bacteria proliferation and cleaning procedures

> **Guaranteed food safety**

Highest detectability

> **No food contamination**
> **Waste reduction**
> **Prevent product recalls**

Superior resistance to cut, abrasion and aggressive fats and oils

> **Long service life**

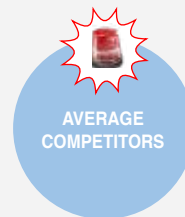
DET® Superior detectability +300%

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



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.



Certified Food Compliance

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	Temperature resistance °C	
									mm	mm
NA-1379	EL4-U20 blue DET	TPU	dark blue		2.0	-	10	4 ²	-30	60
NA-1323	EL6-U30 blue DET	TPU	dark blue		3.0	-	20	6 ²	-30	60
NA-1373	2M5 U0-U2 blue DET	TPU	dark blue	•	1.3	4	8	5	-30	100
NA-1427	2M5 U0-U2 PN blue DET	TPU	dark blue	•	1.6	4	8	5	-30	100
NA-1474	2MT5 U0-U2 blue DET	TPU	dark blue	•	1.4	4	8	5	-30	100
NA-1374	2T12 U0-U2 blue DET	TPU	dark blue	•	1.6	-	25	12	-30	100
NA-1406	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



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
NA-1482F_D6	Compact Minidrive 15/20 A blue DET	TPU	dark blue	1.5	20	6 x 4	72	20	10	-30	90
NA-1461F_D6	Compact Minidrive 15/20 blue DET	TPU	dark blue	1.5	20	6 x 4	72	25	5	-30	90
NA-1460C_D13	Compact Drive 25/40 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	Pull for 8% elongation	Min. diameter	Temperature resistance	
								mm	N
ES-790	RU-4 blue DET	TPU	dark blue	4	smooth	30	35	-20	60
ES-791	RU-6 blue DET	TPU	dark blue	6	smooth	70	50	-20	60
ES-792	RU-8 blue DET	TPU	dark blue	8	smooth	130	70	-20	60

Profiles / Guides / Sidewalls

	Code	Type	Material	Colour	Dimensions	Base	Hardness	Min. pitch		Min. diameter ¹	
								b x h	Sh A	long.	transv.
				mm				mm		mm	
	ES-803	T40 U blue DET	TPU	dark blue	10 x 40	flat	85	---	45	---	60
	ES-804	T50 U blue DET	TPU	dark blue	10 x 50	flat	85	---	45	---	60
											
	ES-751	K6 U P blue DET	TPU	dark blue	6 x 3	flat	85	40	40	35	45
	ES-752	K8 U blue DET	TPU	dark blue	8 x 5	grooved	85	40	40	50	75
	ES-733	K10 U blue DET	TPU	dark blue	10 x 6	grooved	85	40	40	65	105
	Code	Type	Material	Colour	Dimensions			Hardness	Thickness	Min. diameter ¹	
					Pitch	Width	Height				
					mm				mm		
		ES-848	C-U 10/20 DET	TPU	dark blue	24	22	20	85	1.6	50
		ES-849	C-U 10/30 DET	TPU	dark blue	24	22	30	85	1.6	70
		ES-850	C-U 10/40 DET	TPU	dark blue	24	22	40	85	1.6	100
		ES-851	C-U 10/50 DET	TPU	dark blue	24	22	50	85	1.6	120
	ES-852	C-U 20/60 DET	TPU	dark blue	50	42	60	85	1.6	150	
	ES-853	C-U 20/80 DET	TPU	dark blue	50	42	80	85	1.6	190	

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

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