

**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

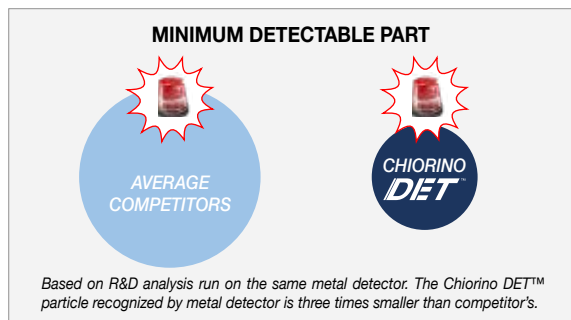
> **Long service life**

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.



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)



DET™ Full range



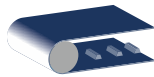
Conveyor belts

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	mm	N/mm	min.	max.
NA-1379	EL4-U20 blue DET	TPU	dark blue	no	2.0	-	10	4 ²	-30	60
NA-1323	EL6-U30 blue DET	TPU	dark blue	no	3.0	-	20	6 ²	-30	60
NA-1373	2M5 U0-U2 blue DET	TPU	dark blue	yes	1.3	4	8	5	-30	100
NA-1427	2M5 U0-U2 PN blue DET	TPU	dark blue	yes	1.6	4	8	5	-30	100
NA-1474	2MT5 U0-U2 blue DET	TPU	dark blue	yes	1.4	4	8	5	-30	100
NA-1374	2T12 U0-U2 blue DET	TPU	dark blue	yes	1.6	-	25	12	-30	100
NA-1406	3M8 U0-U5 blue DET	TPU	dark blue	yes	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.

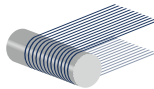
² EL series belts: pull for 8% elongation



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	mm	mm	mm	N/mm	min.	max.
NA-1482F_D6	Compact Minidrive 15/20 A blue DET	TPU	dark blue	1.5	20	6 x 3	72	20	10	-30	90
NA-1461F_D6	Compact Minidrive 15/20 blue DET	TPU	dark blue	1.5	20	6 x 3	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	Surface	Diameter	Pull for 8% elongation	Min. diameter	Temperature resistance	
					mm	N	mm	min. °C	max. °C
ES-790	RU-4 blue DET	TPU	dark blue	smooth	4	30	35	-20	60
ES-791	RU-6 blue DET	TPU	dark blue	smooth	6	70	50	-20	60
ES-792	RU-8 blue DET	TPU	dark blue	smooth	8	130	70	-20	60



Guides / Profiles

Code	Type	Material	Colour	Base	Dimensions b x h	Hardness	Min. longitudinal pitch	Min. longitudinal diameter ¹	
					mm		mm	driving side	conveying side
ES-751	K6 U P blue DET	TPU	dark blue	flat	6 x 3	85	40	35	45
ES-752	K8 U blue DET	TPU	dark blue	grooved	8 x 5	85	40	50	75
ES-733	K10 U blue DET	TPU	dark blue	grooved	10 x 6	85	40	65	105

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



Profiles

Code	Type	Material	Colour	Base	Dimensions b x h	Hardness	Min. transversal pitch	Min. transversal diameter ¹
					mm		mm	mm
ES-803	T40 U blue DET	TPU	dark blue	flat	10 x 40	85	45	60
ES-804	T50 U blue DET	TPU	dark blue	flat	10 x 50	85	45	60

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

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