

**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**.

Key features

Benefits

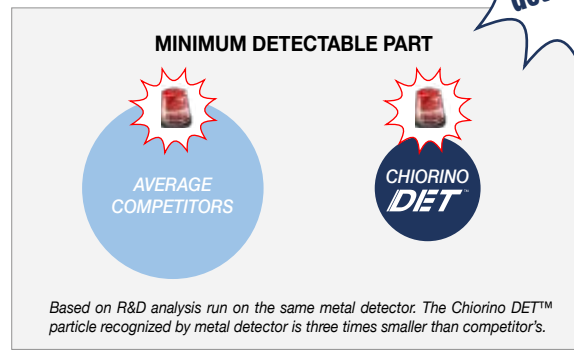
<p>EU and FDA food regulations compliant</p> <p>Excellent resistance to bacteria proliferation and cleaning procedures</p>	<p>▶ Guaranteed food safety</p>
<p>Highest detectability</p>	<p>▶ No food contamination</p> <p>▶ Waste reduction</p> <p>▶ Prevents product recalls</p>
<p>Superior resistance to cut, abrasion and aggressive fats and oils</p>	<p>▶ Long service life</p>

DET™ Superior detectability

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.



DIET™ Full range

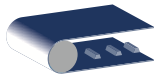


Conveyor belts

Code	Type	Conveying surface coating		Driving surface coating		Perm. antist.	Total thickness mm	Min. diam. ¹ mm	Pull for 1% elong. N/mm	Temperature resistance °C	
										min.	max.
NA-1379	EL4-U20 blue DET	TPU	dark blue	TPU	dark blue	no	2.0	10	4 ²	-30	60
NA-1323	EL6-U30 blue DET	TPU	dark blue	TPU	dark blue	no	3.0	20	6 ²	-30	60
NA-1373	2M5 U0-U2 blue DET	TPU	dark blue	-	light blue	yes	1.3	8	5	-30	100
NA-1427	2M5 U0-U2 PN blue DET	TPU	dark blue	-	light blue	yes	1.6	8	5	-30	100
NA-1374	2T12 U0-U2 blue DET	TPU	dark blue	-	light blue	yes	1.6	25	12	-30	100
NA-1406	3M8 U0-U5 blue DET	TPU	dark blue	-	light blue	yes	2.3	60	8	-30	100

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

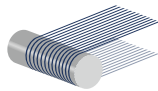
¹ Minimum roller diameter is dependent on the joint recommended by Chiorino.
² EL series belts: pull for 8% elongation



Positive Drive

Code	Type	Material	Colour	Total thickness	Pitch	Tooth section b x h	Tooth length	Pull for 1% elong.	Min. diameter ¹	Temperature resistance °C	
				mm	mm	mm	mm	N/mm	mm	min.	max.
NA-1461F_D6	Compact Minidrive 15/20 blue DET	TPU	dark blue	1.5	20	6 x 3	72	5	25	-30	90
NA-1460C_D13	Compact Drive 25/40 blue DET	TPU	dark blue	2.5	40	13 x 8	72	8	80	-30	90

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



Round belts

Code	Type	Material	Colour	Diameter	Surface	Pull for 8% elongation N/mm	Min. diameter ¹ mm	Temperature resistance	
				mm				min. °C	max. °C
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

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



Guides / Profiles

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

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



Profiles

Code	Type	Material	Colour	Dimensions b x h	Base	Hardness Sh A	Min. transversal pitch mm	Min. transversal diameter mm
				mm				
ES-803	T40 U blue DET	TPU	dark blue	20 x 40	flat	85	45	60
ES-804	T50 U blue DET	TPU	dark blue	20 x 50	flat	85	45	60

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

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