

**CHIORINO**<sup>®</sup>  
1906

*Passion for belting*

**Your partner  
for food safety**

High thickness polyurethane  
conveyor and process belts



**FD**<sup>™</sup> Food Duty line

# High thickness polyurethane belts Food Duty™



The Food Duty™ line of **high thickness polyurethane** belts has been designed to overcome the **limits** of the current **PVC belts** for heavy-duty applications in the food processing industry.

The polyurethane cover of Food Duty™ belts ensures **higher performances** and **greater hygiene** levels compared to PVC belts.



## Key features

## Benefits

**+ HYGIENE  
- COSTS**

No migration of chemical substances Compact polyurethane surface	▶ <b>Total hygiene</b> <b>Total food safety</b>
Highest resistance to cleaning systems	▶ <b>Reduced maintenance costs</b> <b>Energy and water saving</b>
Excellent resistance to fats Highest resistance to cut and abrasion Suitable for low temperatures	▶ <b>Long service life</b>

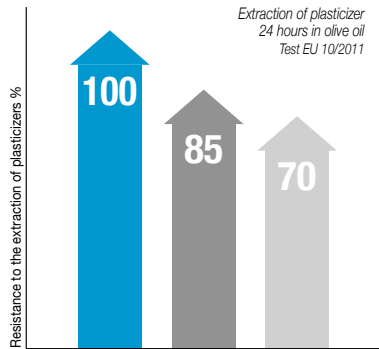
 Food Duty™ belts can be supplied with **sealed edges**.

## Technical data

Code	Type	Total thickn. mm	Conveying surface coating		Minimum diameter <sup>1</sup> mm	Pull for 1% elong. N/mm	Max. admiss. pull N/mm	Temperature resistance	
			material	colour				min. °C	max. °C
NA-1325	<b>2MT12 U0-U3 FD2.3</b>	2.3	TPU	●	60	12	24	-10	80
NA-1333	<b>2T12 U0-U3 FD2.5</b>	2.5	TPU	●	50	12	24	-10	80
NA-1332	<b>2T12 V5-U3 FD2.8</b>	2.8	TPU	●	80	12	24	-10	80

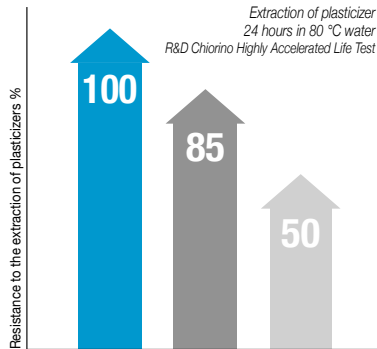
<sup>1</sup> Minimum roller diameter is dependent on the joint recommended by Chiorino.

# FOOD DUTY™ VS FOOD PVC



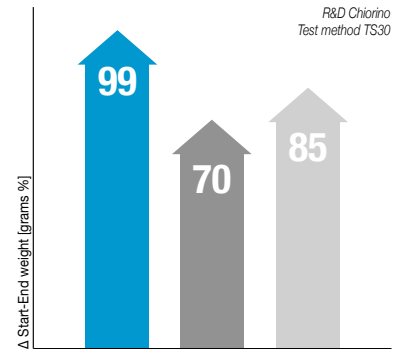
## Resistance to oils and fats

The extraction test in olive oil according EU 10/2011 Reg. shows that the Food Duty™ line does not release any chemical substances to the foodstuff. PVC belts do release plasticizers that contaminate the processed food.



## Resistance to hydrolysis

The test measures the level of compactness of the surface after immersion in hot water. The Food Duty™ belts do not undergo any decay. PVC belts suffer a remarkable degradation of the surface.



## Resistance to cut and abrasion

The Food Duty™ Polyurethane covering has a resistance to abrasion far higher than the competitors PVC belts. The test shows that the Food Duty™ surface offers a higher resistance to wear and consequently a higher lifetime.

■ Food Duty™ CHIORINO ■ FOOD MONOMERIC PVC ■ FOOD POLYMERIC PVC

Thicker than 2 mm PVC competitors belts for Meat & Poultry have been tested.



## Certified Food Compliance



To protect Consumer's health, Chiorino Food Duty™ belts comply with the latest european and international Food Regulations.

Declarations of compliance as prescribed by law are available for every Food Duty™ belt.

Thus, the Customers are certain to use materials that fully comply with the **HACCP** system.

**REGULATION EC 1935/2004**

**REGULATION EC 2023/2006**

**REGULATION EU 10/2011**

**FDA (Food and Drug Administration)**



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