

CHIORINO[®]
1906

Passion for belting

**Your partner
for food safety**

High thickness polyurethane
conveyor and process belts



FD[™] 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	▶ Total hygiene Total food safety
Highest resistance to cleaning systems	▶ Reduced maintenance costs Energy and water saving
Excellent resistance to fats Highest resistance to cut and abrasion Suitable for low temperatures	▶ Long service life



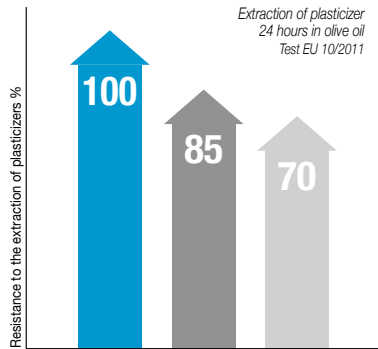
Food Duty™ belts can be supplied with **sealed edges**.

Technical data

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

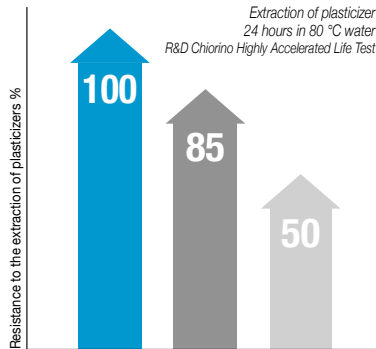
¹ Minimum roller diameter is dependent on the joint recommended by Chiorino.

FOOD DUTY™ VS FOOD PVC



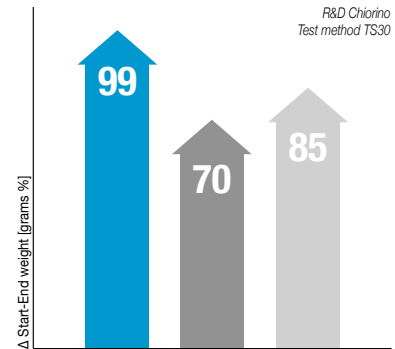
Resistance to oils and fats

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)



CHIORINO AFFILIATED COMPANIES

America

CHIORINO AMERICA
Newark, DE
Tel. +1-302-292-1906
info@chiorino.us
www.chiorino.us

Australia

CHIORINO AUSTRALIA PTY. LTD.
Brisbane
Tel. +61-7-3274 1900
sales@chiorino.com.au
www.chiorino.com.au

Benelux

CHIORINO BENELUX B.V.
Utrecht, - The Netherlands
Tel. +31-30-2413060
chiorino@chiorino.nl
www.chiorino.nl

Byelorussia

CHIORINO-K
Minsk
Tel. +375-17-2804578
general@chiorino.ru
www.chiorino.ru

China

CHIORINO ASIA Ltd.
Hong Kong
Tel. +852-397-10818
info@chiorino.asia
www.chiorino.asia

CHIORINO LIAISON OFFICE

Shanghai
Tel. +86-21-37831019
info@chiorino.cn
www.chiorino.cn

France

CHIORINO SAS
Lagny, Paris
Tel. +33-1-64304075
chiorino.paris@chiorino.fr
www.chiorino.fr

Germany

CHIORINO GmbH
Mainz
Tel. +49-(0)6131-55449-0
info@chiorino.de
www.chiorino.de

Hungary

CHIORINO Kft.
Szigetszentmiklós, Budapest
Tel. +36-24525930
mail@chiorino.hu
www.chiorino.hu

India

CHIORINO INDIA
Salcete Goa
Tel. +918-322-782454
info@chiorino.in
www.chiorino.in

Italy

CHIORINO PARMA s.r.l.
Parma
Tel. +39-0521-292236
chiorinoparma@chiorino.com

CHIORINO VENETO s.r.l.

Colle Umberto (TV)
Tel. +39-0438-430460
chiorinoveneto@chiorino.com

Poland

CHIORINO Sp. z o.o.
Bydgoszcz
Tel. +48-(0)52-3487708
chiorino@chiorino.com.pl
www.chiorino.com.pl

Portugal

CHIORINO PORTUGAL, LDA
Alfena Valongo, Porto
Tel. +351-229684442
geral@chiorino.pt
www.chiorino.pt

Romania

CHIORINO srl
Cluj Napoca
Tel. +40-264-432977
chiorino@chiorino.ro
www.chiorino.ro

South Africa

CHIORINO SOUTH AFRICA (PTY) LTD.
Johannesburg
Tel. +27-11-3971268
sales@chiorino.co.za
www.chiorino.com

Spain

CHIORINO IBERICA S.A.
Rubi, Barcelona
Tel. +34-93-5860480
chiorino@chiorino.es
www.chiorino.es

Switzerland

CHIORINO SCHWEIZ GmbH
Wetzikon
Tel. +41-(0)43-3116001
info@chiorino.ch
www.chiorino.ch

United Kingdom

CHIORINO U.K. Ltd.
Featherstone
Tel. +44-1977-691880
sales@chiorino.co.uk
www.chiorino.co.uk

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HEADQUARTERS AND PRODUCTION PLANTS

CHIORINO S.p.A.

Via S. Agata, 9
I-13900 Biella, Italy
Tel. +39 015 8489 1
Fax +39 015 849 61 61
chiorino@chiorino.com
www.chiorino.com

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