



# Belts for Food Processing

Process Filtration



**S E F A R**  
■ ■ ■ ■

SEFAR **TETEX**® DRY  
A new dimension in vacuum belt drying



# SEFAR **TETEX**® DRY

Industry-leading expertise | Superior results for our customers

Today, drying processes are widely used in food processing. In many cases vacuum belt dryers are the method of choice due to their gentle drying process and efficient handling of large volumes.



### Typical applications and products:

- Plant extracts
- Malt drinks
- Cocoa mass
- Bakery products (yeast)
- Fruit juice concentrate
- Pharmaceutical extracts
- Basic chemical products
- Specialized nutritional products
- Hydrolyzed vegetable proteins (HVP)



Sefar offers a wide range of synthetic fabrics in open and closed mesh for conveying and drying products. Our vacuum dryer belts are made of PPS or PET polymer – selected according to your needs.

- Belt fabrics offering different pore sizes for different solid contents (viscosity) of products
- Customized solutions that meet the industry's most demanding requirements (e.g. high temperatures, chemical resistance and long lifetime)
- Integrated production of all crucial steps: Yarn production, weaving, finishing and fabrication of ready-to-use belts
- More than 185 years experience in the food industry. With over 40 years supplying belts for vacuum belt dryers
- All belt fabrics and closures are recommended for applications in the food industry and are compliant with food safety regulations.

# SEFAR **TETEX**<sup>®</sup> DRY

## Product line benefits



## SEFAR **TETEX**<sup>®</sup> DRY | Product line benefits

### Permeability properties

Unique permeability settings allow steam to penetrate the fabric and eliminate bubble formation while sustaining performance with solid content > 30%.

### Mechanical stability

Precision controlled fabric finishing provides low shrinkage/elongation and efficient belt alignment as well as long service life (up to 18 months). Suitable for application temperatures up to **180°C** (356°F).

### Reduced downtime

Fast and easy installation supported by an efficient closure system. Belt is ideal for CIP cleaning.

### Clogging resistance

Smooth surface makes product release easy and reduces particle entrapment in the pores of the fabric.

### Food safety compliancy

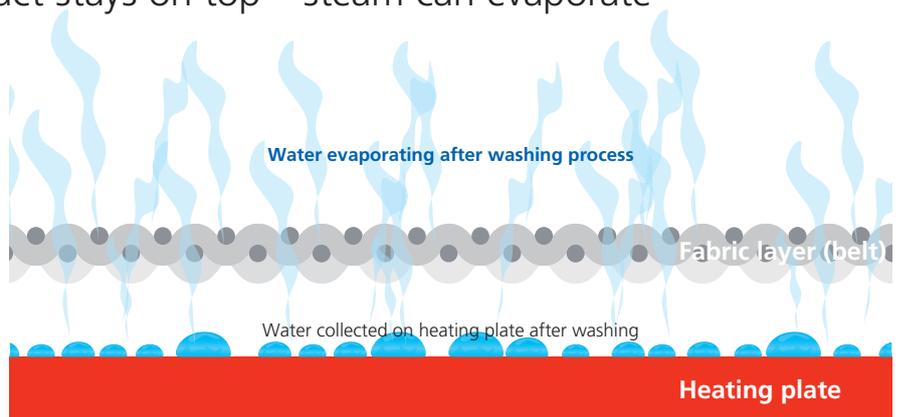
All components comply with food safety regulations – during full service life.





## SEFAR **TETEX**® DRY | Product stays on top – steam can evaporate

Because SEFAR TETEX® DRY are high precision open-mesh fabrics, evaporating water from washing and restarting the dryer does not condense under the belt. Steam can permeate through the fabric, putting less strain on the fabric and readying the belt for use sooner.



Schematic diagram of steam permeability of SEFAR TETEX® DRY belts

### **The choice for the most commonly utilized drying spectrum**

SEFAR TETEX® DRY PET fabrics are suitable for application temperatures of up to 140°C (284°F).

Usage at 140 - 160°C (284 - 320°F) is possible but not recommended as it will result in reduced service life and higher belt elongation. Depending on environmental conditions and product type, SEFAR TETEX® DRY PPS can be beneficial at temperatures between 140 - 180°C (284 - 356°F).



# SEFAR **TETEX**® DRY | A new dimension in vacuum belt drying

## Which belt fabric to choose

### **PET (Polyester)**

is the standard choice for belts in vacuum belt dryers. Many years of experience being used in the application have proven that this versatile material is suitable for most products (especially foodstuff) and max. drying temperatures up to 140 - 160°C (284 - 320°F).

### **PPS (Polyphenylene sulfide)**

is the superior choice for belts in vacuum belt dryers. Choose this material when drying harsher products (i.e. containing salts, herbs or certain chemicals) and/or max. drying temperatures up to 180°C (356°F) are required.

## Technical specifications

Article description	Material	Thickness [µm]	Weight [g/m <sup>2</sup> ]	Air permeability [(m <sup>2</sup> -s)]
SEFAR <b>TETEX</b> ® DRY <b>07-3015-RLX</b>	<b>PET</b>	<b>1200</b>	<b>840</b>	<b>2500</b> +/- 700
SEFAR <b>TETEX</b> ® DRY <b>07-3015-K RLX</b>	<b>PET</b>	<b>1050</b>	<b>840</b>	<b>750</b> +250 / -150
SEFAR <b>TETEX</b> ® DRY <b>07-3201-SK RLX</b>	<b>PET</b>	<b>770</b>	<b>635</b>	<b>100</b> +/- 50
SEFAR <b>TETEX</b> ® DRY <b>25-3015-RLX</b>	<b>PPS</b>	<b>1400</b>	<b>840</b>	<b>2500</b> +/- 700
SEFAR <b>TETEX</b> ® DRY <b>25-3015-K RLX</b>	<b>PPS</b>	<b>900</b>	<b>840</b>	<b>750</b> +/- 150

## Food compatibility

The fabrics of the SEFAR **TETEX**® DRY RLX are made from yarns that contain only substances recognized as safe for contact with food.



## Relevant guidelines and regulations

- FDA Code of Federal Regulations (USA), Food and Drugs, Art. 21, Section 177.1630 for PET, Section 177.2490 for PPS (indirect foodstuff additional material: polymers).
- REGULATION (EC) No 1935/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 October 2004 on materials and articles intended to come into contact with food.
- COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

SEFAR TETEX® DRY  
Making-up of belts



PET and PPS belt fabrication standards (further edge/closure designs are available on request)

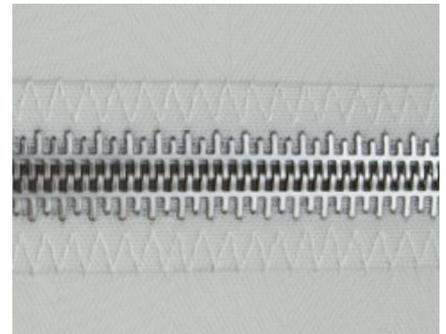
Sefar's market-leading expertise doesn't stop at providing the most suitable fabric for our customers' applications. We also offer the best possible finishing options. Tailoring the belt to specific machine requirements is vital for smooth and efficient performance.



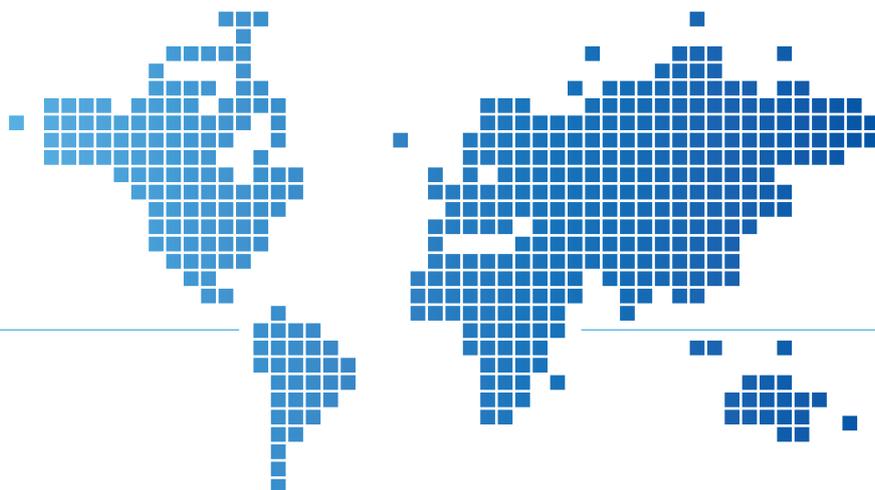
Taped edge (standard)



Welded edge



Metal clipper Alligator with seam (standard)



## Sefar worldwide

Sefar is the leading manufacturer of precision fabrics from monofilaments for the screen printing and filtration market. Sefar products are used in a wide variety of industries, reaching from electronics, graphics, medical, automotive, food and pharmaceutical applications to aerospace, mining & refining and architecture. With its profound understanding of the applications, Sefar helps its customers to achieve optimum results in their industrial processes. Subsidiaries and fabrications centers around the world provide local technical service for the broad range of solutions offered by Sefar.

### Headquarters

**Sefar AG**  
Hinterbissastrasse 12  
9410 Heiden – Switzerland  
Phone +41 71 898 57 00  
Fax +41 71 898 57 21  
filtration@sefar.com  
[www.sefar.com](http://www.sefar.com)

### Subsidiaries Africa

**South Africa** – Kya Sand  
Phone +27 11 708-2485  
info@sefarfilterpure.com

**Morocco** – Casablanca  
Phone +212 522 66 14 66  
info@sefar.ma

### Subsidiaries Americas

**USA** – Buffalo  
Phone +1 800 995 0531  
sales@sefar.us

**Canada** – Saguenay  
Phone +1 418 690 0888  
info.bd@sefar.com

**Brazil** – São Bernardo do Campo  
Phone +55 11 4390 6300  
contato.brasil@sefar.com

**Mexico** – Cuautitlan Izcalli  
Phone +52 55 2291 0652  
info.mexico@sefar.com

### Subsidiaries Australia & New Zealand

**Australia** – Huntingwood  
Phone +61 2 8822 1700  
oceania@sefar.com

**New Zealand** – MT Wellington  
Phone +64 9 527 4409  
salesnz@sefar.com

### Subsidiaries Asia

**China** – Suzhou  
Phone +86 512 6283 6383  
info.cn@sefar.com

**India** – District Thane  
Phone +91 2522 2940-34 /35 /36  
info.in@sefar.com

**Korea** – Seoul  
Phone +82 2 713 9133  
info.kr@sefar.com

**Malaysia** – Johor  
Phone +60 7 861 0023  
info.my@sefar.com

**Singapore**  
Phone +65 6299 9092  
info.sg@sefar.com

**Thailand** – Bangkok  
Phone +662 6670-024  
info.th@sefar.com

**Vietnam** – Ho Chi Minh City  
Phone +84 862 925 562/3  
info.vn@sefar.com

### Subsidiaries Europe

**England** – Bury  
Phone +44 161 765 3530  
sales@sefar.co.uk

**France** – Lyon  
Phone +33 472 13 14 15  
vente@sefar.com

**Germany** – Edling  
Phone +49 8071 90400 0  
info@sefar.de

**Italy** – Collegno  
Phone +39 011 42 001  
info@sefar.it

**Netherlands** – Lochem  
Phone +31 573 744 111  
info@sefar.nl

**Poland** – Poznan  
Phone +48 511 467 467  
biuro.pl@sefar.com

**Spain** – Cardedeu  
Phone +34 93 844 47 10  
info.maissa@sefar.com

**Turkey** – Ankara  
Phone +90 312 287 34 14  
info.tr@sefar.com

Our current general sales conditions shall apply.  
Please consult the current local product data sheet prior to any use.

