esbelt
Conveyor belts

esbelt.com

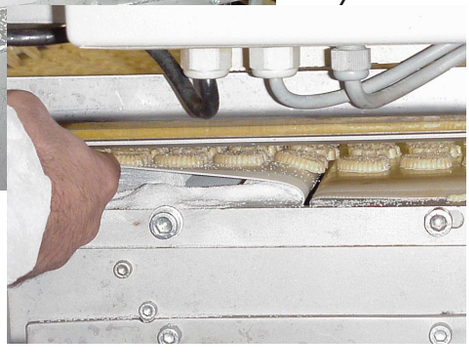
ISO 9001:2008

POLER 08EFWP: Process belt for the biscuit, Pastry, Cookie and Cracker manufacturing.

POLER 08EFWP: High abrasion resistance and superior release with sticky products

- A curtain of sugar falls onto the biscuits coating them and the belt surface.
- Sugar build up causes damage to the coating. The PU coating of our German and Swiss competitors belts crack, and belts are changed every 2-3 months.

POLER 08EFWP belts are now being used. These belts have been on 9 to 12 months and still look good. As well as having great resistance to cracking, the belt coating gives better release and resists the sticky sugar build up.



Sugar build up causes damage to the coating.

Maintenance costs are reduced, line availability is increased and production efficiency is improved.

Excellent at high temperatures.

POLER 08EFWP is the right belt to convey very hot biscuits, pastries and snack bars from the oven.

Ideal on knife edges.

POLER 08EFWP can be used on 5mm and 6mm radius (knife-edges & rollers).
A simple finger joint gives high strength, flexibility and resistance to fatigue. These features give longer belt life.

Your solution for wide belts.

Many single ply conveyor belts have problems with rigidity across their width when using them in wide applications. For this reason two-ply belts are often used, however they are not as flexible at knife-edges, tend to be more expensive and take more energy to drive them.
POLER 08EFWP is very rigid in its width and flexible in its length giving the flexibility and strength of a single ply belt with transverse rigidity of most two-ply belts. This makes **POLER 08EFWP** ideal for wide applications.

Special fabric structure provides to **POLER 08EFWP** high stability and good transverse rigidity similar to most two ply belts.

POLER 08EFWP is available 2000mm wide.

POLER 08EFWP vs 1 and 2 Ply PU belts

- Cover works better with scrapers and has better abrasion resistance.
- Satin matte-finish offers improved release over PU, specially with very sticky product.
- Higher temperature resistance.
- Flexible structure and Mono/Multi fabric allow for more efficient operation in long multiple pulley systems, lower shaft loads and lower energy consumption compared to 2 ply PU belts.
- Splices easily and does not require foil or paste.
- Capable of 10mm (0.375") nose bar at almost 180º wrap.

COOLING TUNNELS: Chilled Bed with direct transfer from oven band.

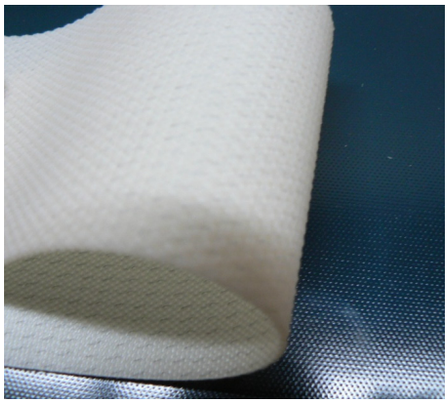
POLER 08EFWP is proving an excellent choice for these applications. The 5 N/mm working load and flexible single ply construction allow the **POLER 08EFWP** to do the job of a two ply Polyurethane yet provide additional advantages. The Polyester cover offers a durable and long lasting cover with excellent release of products high temperature resistance and ease of cleaning. Reduced shaft loads due to a more flexible fabric, increased thermal conductivity and improved release result in higher production speeds and lower maintenance costs.
Belt life is two to four times better than the typical belts used.

POLER 08EFWP vs Polyolefin belts

- **POLER 08EFWP** is single ply where the others are 2 ply due to type of fabric needed to use Polyolefin.
- **POLER 08EFWP**will not wick in moisture thus does not need edge sealing where the others must have edge sealed fabrics.
- **POLER 08EFWP** has lower friction coefficient, thus less energy is required to pull the belt through the system.
- **POLER 08EFWP** has a higher degree of abrasion resistance.
- **POLER 08EFWP** has significantly higher temperature resistance.

"A" Pattern.

POLER 08AFWP the new addition to the range with a light impression "A" cover profile.
Same strengths as the original **POLER 08EFWP** but the "A" light impression profile offers additional handling advantages for inclines or product control.



POLER 08EFWP and POLER 08AFWP applications

- Make up lines
  Inclines (POLER 08AFWP)
- Cooling Tunnels; specially wide and long tunnels with heavy loads
- Depositors
- Oven transfers
- Oily applications
- Sticky product
- Scrap returns
- Distribution belts
- Wrapping lines

POLER 08EFWP and POLER 08AFWP advantages

They can handle a wide range of heat and operating conditions.

POLER 08EFWP and POLER 08AFWP features

- FDA and Regulation EU 10/2011 for food contact
- Low friction cover (better release)
- Antistatic bottom cover
- Low friction between bed and belt
- Very good abrasion resistance
- Moderate resistance to vegetal oils & animal greases
- Knife-edge applications
- Mineral oils & greases resistance
- Water-proof bottom fabric

April 2015

Belt type	Top cover					Bottom cover		Special characteristics	Constant (intermittent) temperature °C	Fabrics		Total thickness mm	Total weight kg/m2	at 20°C A B		Working load at 1% elong. N/mm
	Material	Hardness °ShA	Colour	Thickness mm	Surface	Colour	Surface			Nº plies	Weft			Ø mm	Ø mm	
POLER 08EFWP	Polyester	93	Natural	0,30	Mat	Natural	WP Fabric	◒ FDA EU ● ▼ ☑ ☐ ⓟ	- 20 (-30) + 100 (120)	1	Rigid	1,00	1,10	10	30	5
POLER 08AFWP	Polyester	93	Natural	0,60	Pattern A	Natural	WP Fabric	◒ FDA EU ▼ ☑ ☐ ⓟ	- 20 (-30) + 100 (120)	1	Rigid	1,30	1,10	10	30	5

Legend:

Max. roll width: 2.000mm

◒ Antistatic bottom cover **FDA** Food quality **EU** Food quality. Regulation EU 10/2011 ● Low friction coefficient
▼ Resistant to mineral oils and fats ☑ Partially resistant to vegetable and animal oils and fats ☐ Abrasion resistant ⓟ Pyrolisis test

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