Our Expertise, Your Success.

CONVEYOR BELTS
FABRICATED BELTS
BELT BEND CONVEYORS

reveyron®

Contents

Our History, Our Expertise

Founded in 1926 in Lyon, France, Reveyron started to weave technical textiles and then specialised in the production of light conveyor belts.

Our long experience in producing conveyor belts means that we provide a real expertise which contributes to your success.
Our strength is above all based on our knowledgeable and dedicated workforce.
We focus on developing and transmitting our know-how to perfectly meet your expectations, today and in the future.
Every year, we invest in new equipment to offer more innovative and competitive solutions.
Family-owned Reveyron is today a thriving and valued manufacturer of light conveyor belts for our partners around the world.

Commitment to Quality Is in Our Genes

Quality Commitment

Reveyron is ISO 9001 certified and this for more than 20 years.

Continuous improvement is essential to provide exactly what our customers expect from our products and services.

Our production processes and products are continually assessed and then documented.

This commitment guarantees a reliable and consistent production and fabrication process.

Monitoring Production

In our laboratory, we measure and control:

- raw materials before starting production,
- products at each step of the production process,
- finished products.

As a result, we fully control the quality of our conveyor belts.

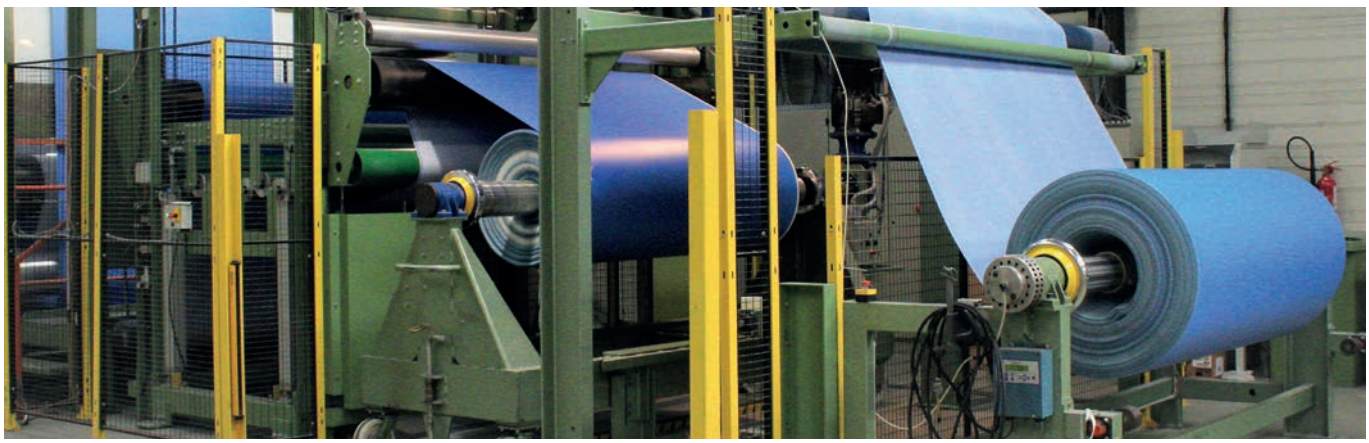
Ensuring Food Safety

As a specialist in thermoplastic polyurethane (TPU), Reveyron is fully compliant with hygiene and food regulations.

Our conveyor belts and accessories in TPU conform with the European Framework Regulation CE/1935/2004 and the specific measure EU/10/2011 related to plastic Food Contact Material (FCM).

As the regulations require, migration and compliance testing is performed by an independent and registered institute. We use the services of COFRAC.

Hence, our polyurethane conveyor belts are perfectly safe to be used in the most sensitive food applications.



Calender production line

Our Technical Expertise: 90 Years of Know-How and High Standards

In a rapidly changing market, we constantly develop new belting solutions.

Our Know-How

Reveyron has an extensive background in producing and fabricating light conveyor belts. Our expertise, knowledge of raw materials and production processes guarantee products of high quality.
In addition, our flexibility and know-how allow us to fabricate tailor-made belts for specific application processes.

Research & Development

We anticipate our customers' needs and thus develop and create new products.

Close relationships with suppliers enable us to co-develop our own raw materials to suit your needs. Our goal is to constantly improve technical properties and performances of our belts.

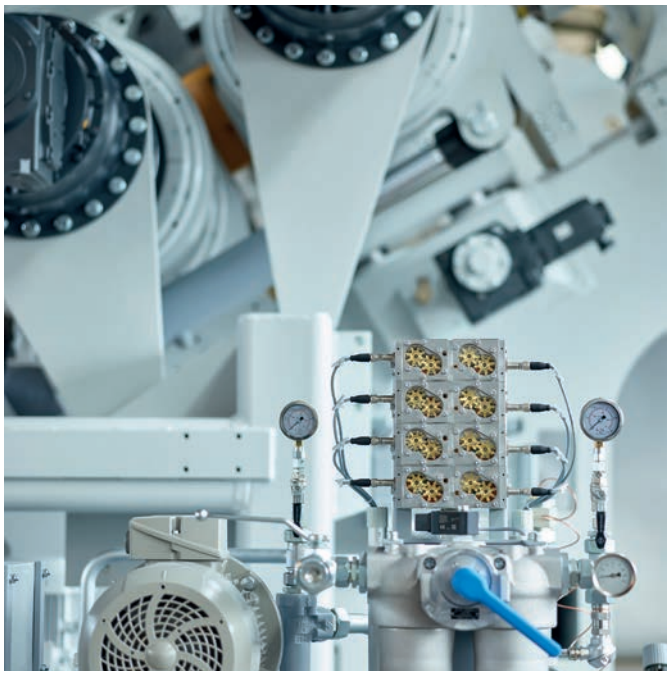
High Performance Calender Lines for TPU Coating

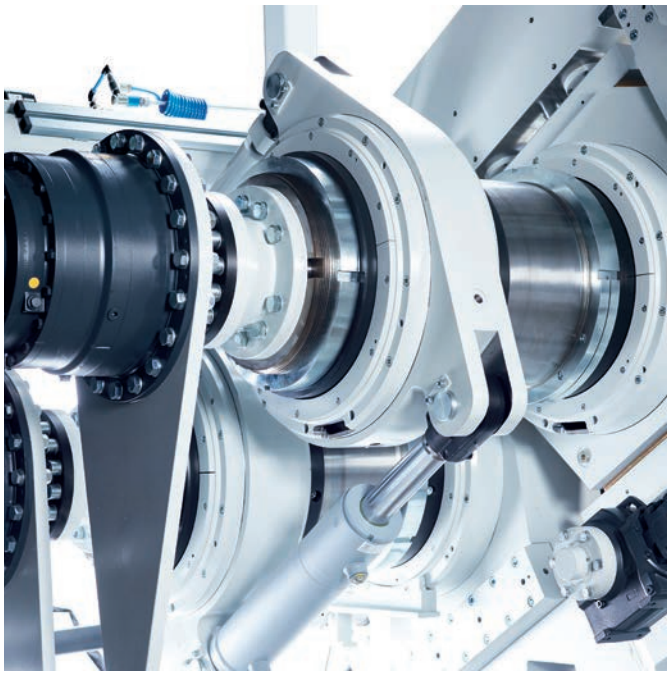
Our two calender lines generate considerable synergies in the production of conveyor belts.
Our first line, using a unique powder-coating process, produces a large product range of technical PU belts.
The second line, using state-of-the-art technologies, is a key investment for Reveyron and allows the calendering of high performance TPU's in the width of up to 3 meters (118 in).
Those two lines combined provide flexibility, adaptability and a large production capacity in order to respond even more effectively to the technical specifications that our clients demand.

Our fabrication units can fulfill all types of fabrication requests.
In our modern facilities, we can:

- splice; using punching equipment and presses up to 3 m width (118 in),
- weld profiles, tracking guides, and Compart™ sidewalls,
- weld cleats/flights, using high frequency machines,
- seal/cap edges (FPS),
- apply mechanical belt fastener/lacing in metal or plastic materials.

In our metal fabrication and assembly unit, we produce machinery such as belt bend conveyors, slitting machines and other types of equipment.





Our Commitment: to Guarantee Your Success

At Reveyron, our competent team takes care of your requests, provides technical advice and a quality service.

Total of 10 modern High Frequency (HF) machines

High Frequency welding of cleats

Slab stock

Reactive

- Quick answers to your requests
- Deployment of dedicated resources for urgent requirements

Reliable

- Experienced team providing optimal solutions
- High quality production
- Reliable processes and lead times

Availability

- Important stock of slabs, profiles and raw materials
- Short lead times
- Great availability of our team to meet your expectations

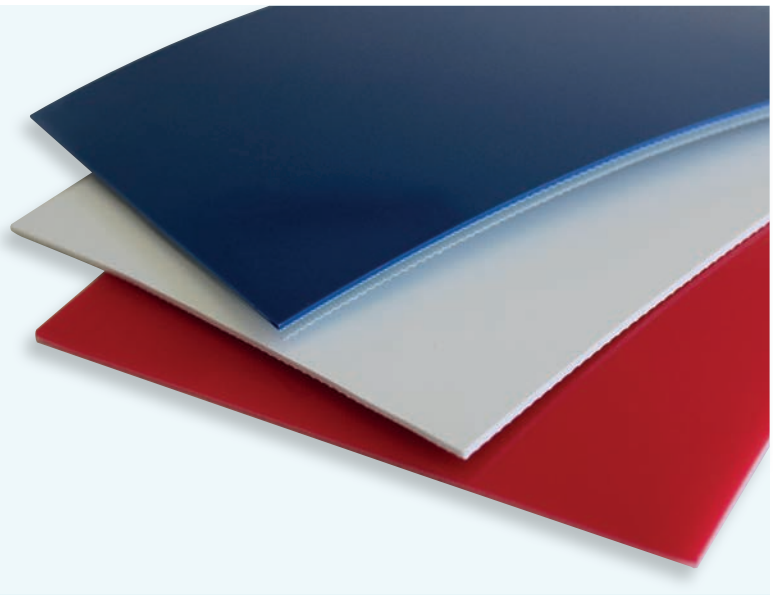
Capacity

- Flexible organisation permitting short lead times
- High production capacities for specific and customised projects
- Fully equipped for serial production

Product Overview

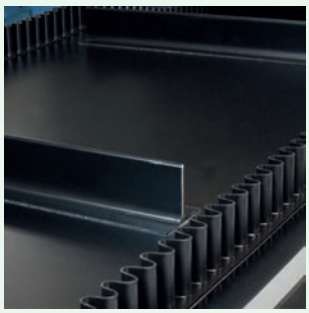
CONVEYOR BELTS

Light conveyor belt production in TPU, PVC and silicone



FABRICATED BELTS

Fabrication of conveyor belts



Top and bottom covered belts with sealed edges and High Release surface (HR)

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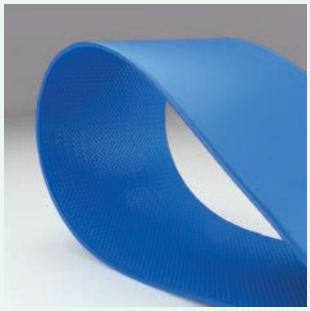
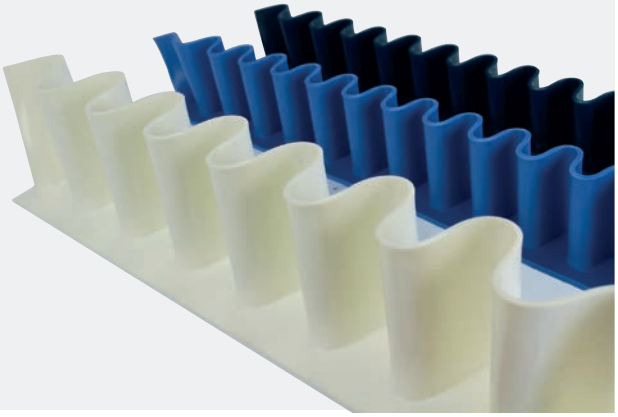


ACCESSORIES FOR BELTS

Profiles, Compart™ Sidewalls, cleats/flights and fingers for the fabrication of conveyor belts



BELT BEND CONVEYORS

Production of belt bend conveyors

Belt bend conveyors catalogue available on request

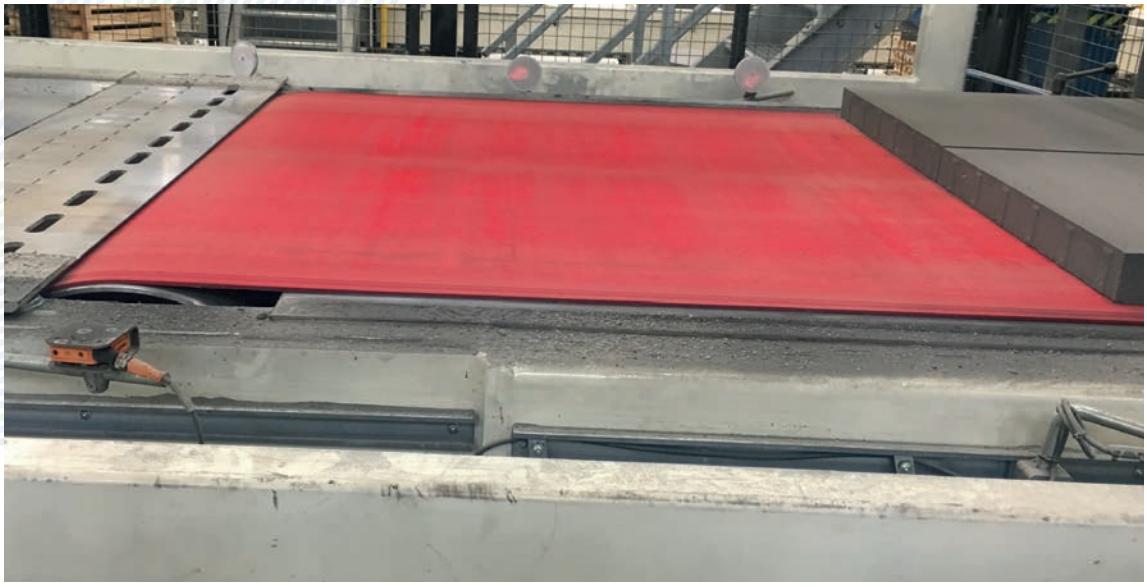
EQUIPMENTS

Production of equipment for the fabrication of conveyor belts

Polyurethane Belts

Our polyurethane belts for a better future

Industries evolve. Reveyron TPU belts contribute to substantial savings and optimised industrial processes.
Our TPU belts are an essential component to providing absolutely safe food.
Also, with 100% polyurethane technology, we take care of the environment.



Conveying concrete blocks

Optimal Industrial Processes

Reveyron belts offer optimal dimensional stability and perfect tracking: no shrinkage, elongation, cupping and other deformations.

Due to their robust construction, Reveyron belts withstand demanding mechanical design requirements.

- Controlled maintenance of conveying systems
- Secure conveying of heavy duty items
- Longer preventive maintenance intervals
- Unplanned downtimes avoided

Troughed belt: grated potatoes

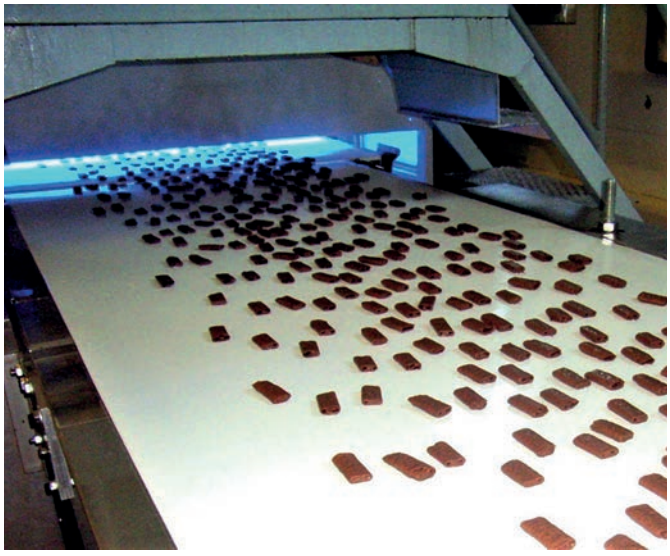
- Lighter design of conveyors
- Longer service life
- Saving energy and reducing waste

Boost Productivity and Performance

Great mechanical resistance, such as to abrasion and to cuts, makes our TPU conveyor belt systems last longer for an extended service life.

Energy savings are also made due to a lighter belt structure and superior mechanical properties.

Designing highly efficient and high performing belt conveyors is made easy.



Chocolates, conveyed from a cooling tunnel

Safe Food

Reveyron TPU is a naturally inert raw material, without additives or plasticisers. No migration is possible, as it does not react with the food.

The top surface of our belts is perfectly smooth, homogenous and non-porous.

Thus our production technology prevents contamination risks.

- No toxic migration into the product
- Large reduction of micro-organic development
- Efficient and quick cleaning of belts
- Real commitment towards respecting the environment

Polyurethane belts

Top	Bottom	Type	Manufacturing width	No of plies	Total thickness	Top coating	Hardness	Finish / Pattern	Antistatic fabric	Force at 1% elongation*	Min. pulley Ø	Min. pulley Ø backflex	Cross rigidity	Impregnated fabric	Food approved EU 10/2011	Availability
			mm		mm	mm	ShA			N/mm	mm	mm				
		1PURB25/CW	2000	1	0,70	0,25	85	Gloss	√	5	6	20	•	√	√	■
		1PURB25/EW	2000	1	0,70	0,25	85	Gloss		5	6	20	•	√	√	●
		1PURB25MAT/CW	2000	1	0,70	0,25	85	Matte	√	5	6	20	•	√	√	●
		1PURB25H/CW	2000	1	0,70	0,25	92	Matte	√	5	8	20	•	√	√	■
		1PURBD30/EW	2000	1	1,00	0,30	85	NP		5	10	20	•	√	√	■
		1PURB35/LCW	2000	1	1,00	0,35	85	Gloss	√	6	5	20	••	√	√	▲
		1PURB55/LCW	1500/2000	1	1,15	0,55	85	Gloss	√	6	5	20	••	√	√	●
		1PURB55HR/LW	2500	1	1,15	0,60	85	HR		6	8	20	••	√	√	●
		1PURB65/FW	2000	1	1,30	0,65	85	Gloss		7	10	20	Flexible	√	√	●
		2PURI0/CW-AL	2000	2	1,10	0	-	Fabric	√	9	12	30	••	√	√	●
		2PURB20/CW	2000	2	1,30	0,20	85	Gloss	√	10	10	40	••	√	√	●
		2PURB20/EW	2000	2	1,30	0,20	85	Gloss		10	10	40	••	√	√	●
		2PURB20MATI/ACW	2000	2	1,30	0,20	85	Matte	√	10	10	40	••	√	√	●
		2PURB20H/CW	2000	2	1,30	0,20	92	Matte	√	10	12	40	••	√	√	■
		2PURBD30/CW	2000	2	1,70	0,30	85	NP	√	10	20	50	••	√	√	■
		2PURB25I/FW	2000	2	1,60	0,25	85	Matte		12	40	60	Flexible	√	√	●
		2PURB35MATI/ACW	2000	2	1,60	0,35	85	Matte	√	10	20	40	••	√	√	■
		2PURB35H/CW	2000	2	1,60	0,35	92	Matte	√	10	25	50	••	√	√	●
		2PURB40HI/5C	2000	2	2,15	0,40	92	Matte	√	9	50	80	•••••	√	√	●
		2PURB55/FW	2000	2	2,30	0,55	85	Matte		12	50	90	Flexible	√	√	■
		2PURB60/LCW	2000	2	2,30	0,60	85	Gloss	√	13	60	100	••••	√	√	●
		2PURB90/LW	2000	2	3,10	0,90	85	Gloss		13	80	110	••••	√	√	●
		1PURX0/EW	2000	1	0,45	0	-	Fabric		5	5	5	•	√	√	▲
		1PURX25MAT/CW	2000	1	0,70	0,25	85	Matte	√	5	6	20	•	√	√	●
		1PURX25MAT/FW	2000	1	0,90	0,25	85	Matte		4,5	8	20	Flexible	√	√	▲
		1PURX30/LW	2000	1	0,95	0,30	92	Matte		7	10	20	••	√	√	●
		1PURX35MAT/LCW	1500/2000	1	0,95	0,35	85	Matte	√	7	5	20	••	√	√	●
		1PURXD30/EW	2000	1	1,00	0,30	85	NP		5	10	20	•	√	√	●
		1PURX55/LCW	2000	1	1,15	0,55	85	Gloss	√	7	5	20	••	√	√	●
		1PURX60HR/LCW	2000	1	1,20	0,60	92	HR	√	7	8	20	••	√	√	●
		2PURX0/CXW-S	2000	2	1,10	0	-	Fabric	√	9	12	30	••	√	√	●
		2PURX20/CW	2000	2	1,30	0,20	85	Gloss	√	10	8	20	••	√	√	●
		2PURX20MAT/ACW	2000	2	1,30	0,20	85	Matte	√	10	8	20	••	√	√	●
		2PURX30/EW	2000	2	1,40	0,30	92	Matte		10	12	40	••	√	√	●
		2PURXD30/CW	2000	2	1,70	0,30	85	NP	√	10	20	50	••	√	√	●
		2PURX40/LCW	2000	2	1,70	0,40	85	Matte	√	12	30	50	•••	√	√	●
		2PURX40/5C	2000	2	2,15	0,40	92	Matte	√	9	50	80	•••••	√	√	▲
		2PURX55HR/CW	2000	2	1,70	0,55	92	HR	√	10	25	50	••	√	√	■
		2PURX55/FW	2000	2	2,30	0,55	92	Matte		13	60	90	Flexible	√	√	■
		2PURX60/LCW	2000	2	2,40	0,60	85	Matte	√	13	60	80	••••	√	√	●
		3PURX30H/5C	2000	3	3,10	0,30	92	Matte	√	11	120	160	••••••	√	√	■
		3PURX0I/LCW	2000	3	2,80	0	-	Fabric	√	13	100	140	•••••	√	√	▲

HR High Release (rice grain profile)
NP Negative pyramide

● All dimensions
■ Only in full manufacturing width
▲ On-demand manufacturing

TPU Belts - Temperature range: -40°C +90°C
* Tensile Force for 1% Elongation after Relaxation (k1% relaxed) per unit of Width

Top	Bottom	Type	Manufacturing width mm	No of plies	Total thickness mm	Top coating mm	Hardness ShA	Finish / Pattern	Antistatic fabric	Force at 1% elongation* N/mm	Min. pulley Ø mm	Min. pulley Ø backflex mm	Cross rigidity	Food approved EU 10/2011 Impregnated fabric		Availability
		1PURXK25MAT/EW	2000	1	0,75	0,25	85	Matte		5	6	20	•	√	√	■
		2PURXK20MAT/ACW	2000	2	1,30	0,20	85	Matte	√	10	8	20	••	√	√	■
		2PURXK90/LW	2000	2	3,10	0,90	85	Gloss		13	80	110	••••	√	√	▲
		2PURXKD/CW	2000	2	1,70	0,55	85	NP	√	10	35	50	••	√	√	■
		1PURI30/EW	2000	1	0,80	0,30	85	Gloss		5	6	20	•	√		▲
		2PURI0C/LCW	2000/2500	2	1,60	0	-	Fabric	√	12	50	50	•••	√		▲
		2PURI30I/LW	1300/2000	2	1,80	0,30	92	Matte		12	25	50	•••	√	√	●
		2PURI60HR/LW-2.3	1300/2000/ 2500	2	2,30	0,60	92	HR		12	25	60	••••	√	√	●
		2PURI75I/LCW	2000/2500	2	2,35	0,75	92	Matte	√	11	70	100	••••	√	√	●
		2PURI160I/LW	2000	2	4,00	1,60	92	Matte		13	130	180	•••••	√	√	●
		2PURIR100I/LCW	2000	2	2,60	1,00	85	Gloss	√	13	80	110	••••	√		■
		3PURIR180I/LW	1300/2000	3	5,00	1,80	85	Matte		15	180	240	••••••	√		●
		2PURN20HI/CW	2000	2	1,30	0,20	92	Matte	√	10	10	40	••	√	√	▲
		2PURN60I/LCW	2500	2	2,50	0,60	92	Matte	√	13	70	100	••••	√	√	●
		2PURN100/ILHR	2250	2	3,40	1,00	92	Matte / HR		13	100	160	•••••		√	▲
		2PURN160I/LCW	2000	2	4,00	1,60	92	Matte	√	11	130	180	•••••	√	√	●
		3PURN130H/LCW	2500	3	3,75	1,30	92	Matte	√	18	130	180	••••••	√	√	■
		1PURV25/CW	2000	1	0,70	0,25	92	Matte	√	5	8	20	•	√	√	▲
		2PURV20/CW	2000	2	1,30	0,20	92	Matte	√	10	12	40	••	√	√	●
		2PURV25/FW	2000	2	1,65	0,25	92	Matte		12	40	60	Flexible	√	√	▲
		2PURV30/LCW	2000	2	1,80	0,30	92	Matte	√	13	40	60	•••	√	√	●
		2PURV45/5C	2000	2	2,15	0,45	92	Matte	√	9	50	80	•••••	√	√	●
		2PURV50/LW	2400	2	2,50	0,50	92	Matte		13	80	100	••••	√	√	■
		2PURV55/FW	2000	2	2,30	0,55	92	Matte		12	60	90	Flexible	√	√	■
		3PURXB70I/LW	2280	3	3,50	0,70	85	Matte		18	130	180	••••••	√	√	▲

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		2PURB25/EHR	2000	2	1,80	0,25	85	Matte / HR		11	25	45	••		√	●
		2PURB40/LHR	2000	2	2,30	0,40	85	Matte / HR		13	50	70	•••		√	●
		2PURB100/LHR	2000	2	3,40	1,00	85	Matte / HR		13	100	160	••••		√	●
		3PURB170/LHR	2000	3	5,00	1,70	92	Matte / HR		18	180	240	••••••		√	●
		2PURXD/EHR	2000	2	2,20	0,60	92	NP/ HR		11	30	25	••		√	●
		2PURX60HR/ED	2000	2	2,20	0,60	92	HR / NP		11	25	30	••		√	●
		2PURX25/EHR	2000	2	1,80	0,25	92	Matte / HR		11	25	45	••		√	●
		2PURX25/flHR	2000	2	1,80	0,25	92	Matte / HR		10	25	45	Flexible		√	■
		2PURX30/LHR	2000	2	2,30	0,30	92	Matte / HR		13	60	80	•••		√	▲
		2PURX40/FHR	2000	2	2,30	0,40	92	Matte / HR		14	60	80	Semi-flex.		√	●
		2PURX50/flHR	2000	2	2,20	0,50	92	Matte / HR		9	40	60	Flexible		√	▲
		2PURX90/LHR	2000	2	3,40	0,90	92	Matte / HR		13	100	160	••••		√	●
		3PURX30/FHR	2000	3	3,05	0,30	92	Matte / HR		18	100	130	Flexible		√	▲
		2PURX30/LX30-1.9	1500	2	1,90	0,30	92	Matte / Gloss		13	60	60	•••		√	▲
		2PURX30X/LX30	2000	2	2,90	0,30	92	Matte / Gloss		13	80	80	••••		√	●

Reveyron also manufactures belts according to technical specifications requested by our customers. Please contact us for more information.
Our belt codification is explained on page 21.

Securev™ Belts

The belting force for food safety

In a challenging environment for safe and hygienic handling of food, contamination risks must be controlled.
The TPU Securev™ range is the most efficient solution ensuring a superior hygiene while conveying and processing food.

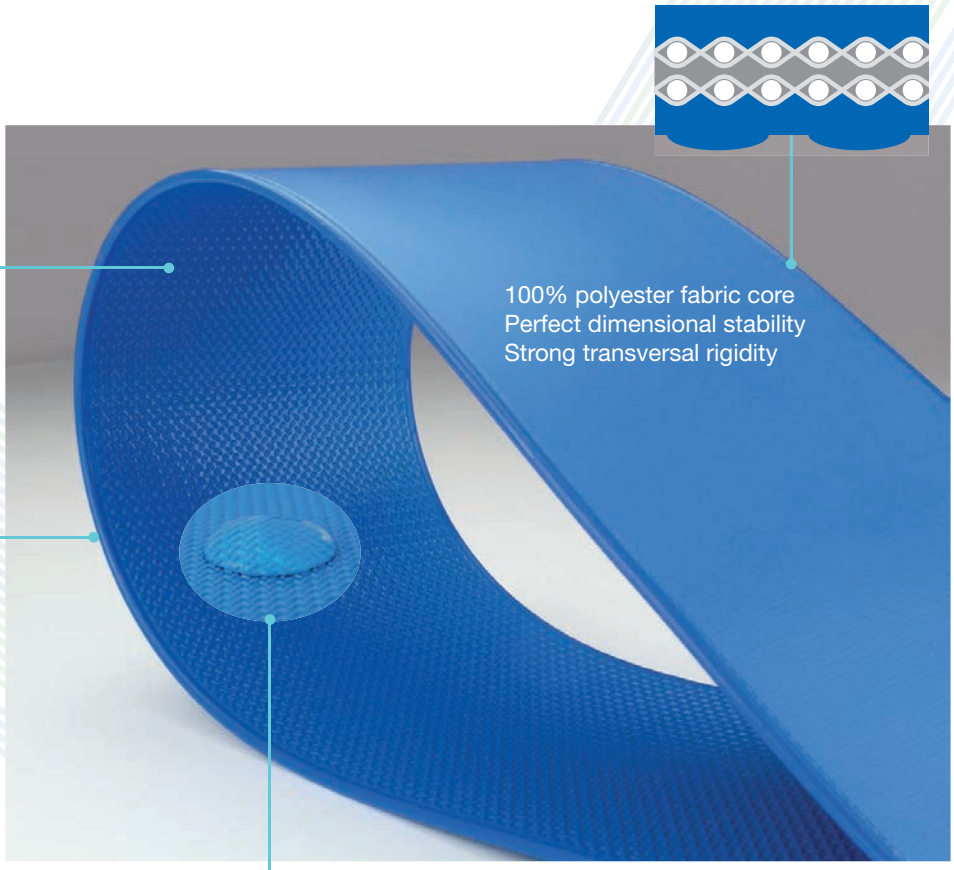
Ensuring Food Safety

Securev™ belts are hermetically closed to micro-organisms.

Reveyron TPU is a naturally inert and stable material, as it does not interact with other substances and does not contain additives or plasticisers.

With a double TPU cover and sealed edges [FPS], the Securev™ belt offers a true protection from any contamination and infiltration of liquids or oils.

- Preventing the proliferation of microorganisms on belt surfaces and core
- Excellent barrier against any infiltration of oils or liquids containing contaminants
- Absence of belt components migrating into foodstuff



HR

- Easy to clean
- Self-cleaning and high release HR-pattern

FPS

- Sealed/Capped edges
- Protection from all contamination
- Protection from fraying

- HR: Very smooth and structured surface (Lotus effect)
- Low coefficient of friction
- High density and inert TPU

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Securev™ belts are designed to work in the most difficult conveying environments:
• Small pulley diameter
• Heavy duty conveying
• High speed processing
• Maximised throughput capacity on wide belts

Reinforcing Efficiency

The Securev™ belt surface is perfectly smooth, homogenous and non-porous. The High Release [HR] positive structure is a self-cleaning surface, easily releasing all type of residues due to its rounded structure.

- Simple, quick and efficient cleaning
- Highly effective, reliable and lasting sanitation
- Longer intervals for preventive maintenance interventions, fewer shutdowns and reduced risk of disruptions

Increasing Productivity

As Securev™ belts have an excellent dimensional stability, the conveying speed can be very high, even on wide belts.

This ensures perfect tracking, and prevents shrinkage, elongation, fraying and undulations.

- High release of products: reduced product loss
- High conveyor performance
- Increased lifetime of belts: strong resistance to usage and impacts

Securev™ Belts

securev© hygiène et sécurité

Top	Bottom	Type	Possible with FPS	Manufacturing width	No of plies	Total thickness	Top coating	Hardness	Finish / Pattern	Force at 1% elongation	Min. pulley Ø	Min. pulley Ø backflex	Cross rigidity	Food approved EU 10/2011	Availability
				mm		mm	mm	ShA		N/mm	mm	mm			
		2PURB25/EHR	√	2000	2	1,80	0,25	85	Matte / HR	11	25	45	••	√	●
		2PURB40/LHR	√	2000	2	2,30	0,40	85	Matte / HR	13	50	70	•••	√	●
		2PURB100/LHR	√	2000	2	3,40	1,00	85	Matte / HR	13	100	160	••••	√	●
		3PURB170/LHR	√	2000	3	5,00	1,70	92	Matte / HR	18	180	240	••••••	√	●
		2PURXD/EHR	√	2000	2	2,20	0,60	92	NP/ HR	11	30	25	••	√	●
		2PURX60HR/ED	√	2000	2	2,20	0,60	92	HR / NP	11	25	30	••	√	●
		2PURX25/EHR	√	2000	2	1,80	0,25	92	Matte / HR	11	25	45	••	√	●
		2PURX25/flHR	√	2000	2	1,80	0,25	92	Matte / HR	10	25	45	Flexible	√	■
		2PURX30/LHR	√	2000	2	2,30	0,30	92	Matte / HR	13	60	80	•••	√	▲
		2PURX40/FHR	√	2000	2	2,30	0,40	92	Matte / HR	14	60	80	Semi-flex.	√	●
		2PURX50/flHR	√	2000	2	2,20	0,50	92	Matte / HR	9	40	60	Flexible	√	▲
		2PURX90/LHR	√	2000	2	3,40	0,90	92	Matte / HR	13	100	160	••••	√	●
		3PURX30/FHR	√	2000	3	3,05	0,30	92	Matte / HR	18	100	130	Flexible	√	▲
		2PURX30/LX30-1.9	√	1500	2	1,90	0,30	92	Matte / Gloss	13	60	60	•••	√	▲
		2PURX30X/LX30	√	2000	2	2,90	0,30	92	Matte / Gloss	13	80	80	••••	√	●

FPS Sealed/Capped edges
NP Negative pyramide
HR High Release (rice grain profile)

● All dimensions
■ Only in full manufacturing width
▲ On-demand manufacturing

Securev+™ Belts

The first hybrid positive drive system

Securev™ belts with friction drive incorporated with the timing belt 25T10 create a positive drive. These two elements combined allow a unique hybrid system regulating power transmission according to specific process parameters.

Great dimensional and structural stability of the Securev™ belt, combined with a unique hybrid positively driven system

True Process Belts

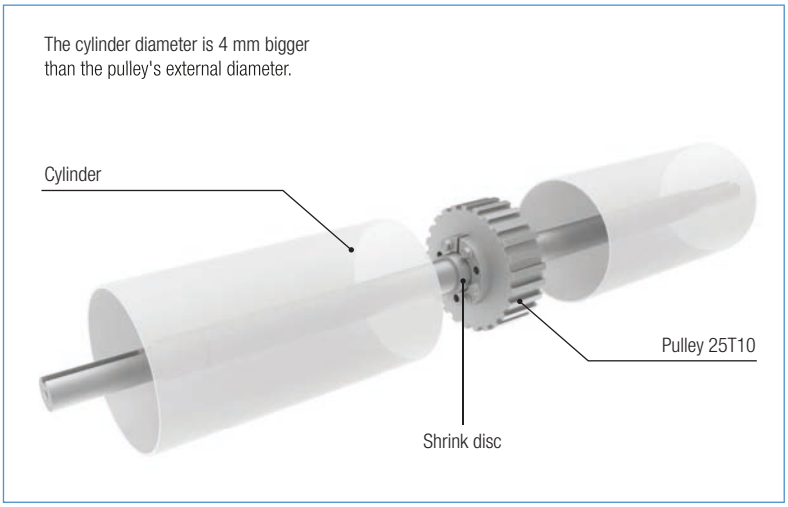
- Indexed operation/process synchronisation
- Very precise positioning and timing of conveyed products
- Positive drive possible in difficult conveying situations such as oily and humid environments: excellent traction control
- Timing belt tracking and bi-directional
- Optimised tracking

Timing Belt

- 25T10 TPU reinforced with Kevlar® (drowned yarn)
- Width 25 mm - pitch 10 mm

Specific Drive Pulley

- Width 28 mm
- Outer Ø from 60 to 200 mm
- Stainless steel, nylon or aluminium
- Various assembling systems available on common shafts on round or square bores and different locking collar systems



Motor drum principle for timing belt 25T10

PVC and Silicone Conveyor Belts

Our PVC and silicone belts are manufactured with high quality raw materials offering different mechanical characteristics. Good grip on PVC patterns, release properties or high temperature resistance such as on silicone coatings match many expectations for diverse industrial applications.

Top	Bottom	Type	Manufacturing width mm	No. of plies	Total thickness mm	Top coating mm	Hardness ShA	Finish / Pattern	Antistatic fabric	Force at 1% elongation N/mm	Min. pulley Ø mm	Min. pulley Ø backflex mm	Cross rigidity	Impregnated fabric	Food approved EU 10/2011	Availability
PVC																
		1TG50/ED	2000	1	2,00	0,50	73	Gloss / NP		4	15	15	•		√	●
		2TG50/EW	2000	2	2,00	0,50	70	Gloss		7	30	50	••	√	√	●
		2TG60/ED	2000	2	3,10	0,60	74	Gloss / NP		8	60	60	••		√	▲
		2TG60/LD	3050	2	3,10	0,60	65	Gloss / NP		12	60	60	•••		√	●
		2TG70/LW	3050	2	2,60	0,70	65	Gloss		12	50	60	•••	√	√	●
		3TG100/LCW	3050	3	4,20	1,00	74	Matte	√	15	100	150	••••	√	√	●
		2TX50/EW	2000	2	2,00	0,50	78	Gloss		7	30	50	••	√	√	●
		2TX60/FD	2000	2	3,10	0,60	73	Matte / NP		8	60	60	Flexible		√	▲
		2TX60/LD	3050	2	3,10	0,60	78	Matte / NP		7	60	60	•••		√	●
		2TX70/LW	3050	2	2,80	0,70	73	Matte		7	50	60	•••	√	√	●
		2TN55/LsCW	3050	2	2,20	0,55	78	Matte	√	8	30	60	•••	√		●
		2TN70/LC0	3000	2	2,60	0,70	80	Matte	√	11	60	100	•••	√		▲
		2T0-N/LsCW	2000	2	2,20	0	0	Fabric	√	7	70	80	•••	√		●
		1TV50/ED	3050	1	1,90	0,50	78	Gloss / NP		4	20	30	•			●
		2TV50/C0	3050	2	2,00	0,50	80	Gloss	√	10	30	50	••			●
		2TV50H/CW	3050	2	2,00	0,50	80	Matte	√	7	30	60	•••	√		●
		2TV70/LC0	3050	2	2,60	0,70	80	Matte	√	11	50	70	••••			●
		2TV70/LD	3050	2	2,70	0,70	80	Gloss / NP		12	60	80	•••			●
		3TV100/LC0	3050	3	4,00	1,00	80	Matte	√	15	100	150	••••			●
		3TV75S/LD	3000	3	4,60	0,70	80	Gloss / NP		15	100	120	••••			●
		GRIP-V/E0	2000	2	5,00	3,50	50	GRIP roughtop		8	40	70	••			●
		2TVSTR/LCW	2000	2	3,00	1,20	35	Longitudinal rib	√	6	40	60	•••	√		●
		2TVSQR/LCW	2000	2	2,50	0,90	45	Cross pattern	√	6	50	60	•••	√		●
		MINIGRIP/S	2000	2	2,70	0,80	45	Snakeskin		8	60	60	••			●
Silicone																
		2SI30/CW	3000	2	1,65	0,25	40	Gloss	√	9	20	40	•••	√	FDA	●
		VS292	1450	2	1,10	0,30	64	Gloss		5	30	50	Flexible	√	FDA	●

PVC Belts - Temperature range: -5°C +80°C
GRIP and MINIGRIP - Temperature range: -5°C +60°C

2SI30/CW - Temperature range: -10°C +110°C
VS292 - Temperature range: -50°C +200°C

NP Negative pyramid
● All dimensions
▲ On-demand manufacturing

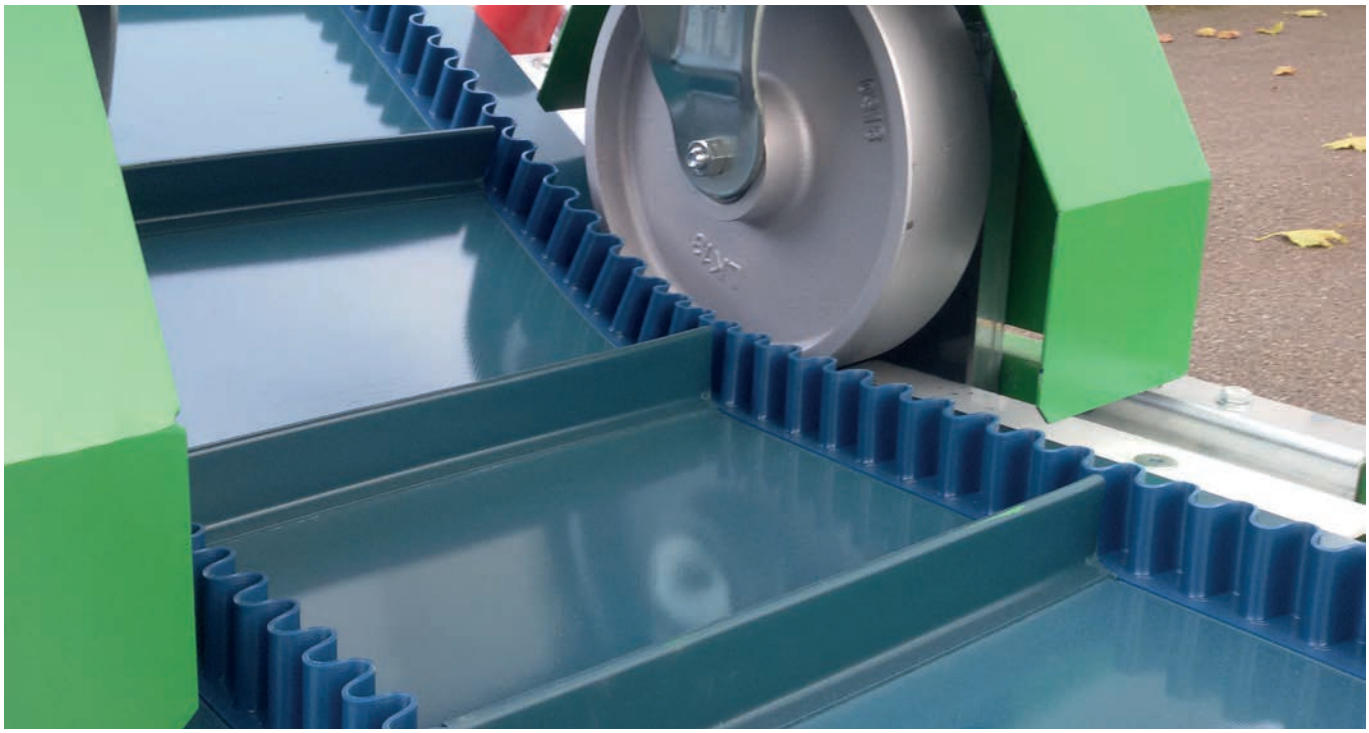
Reveyron also manufactures belts according to technical specifications requested by our customers. Please contact us for more information.

Our belt codification is explained on page 21.

Belt with incurved cleats for inclined food conveying

Low-noise fabric belt with fabric top cover
for accumulation

Chevron belt with V profiles



Cross-rigid belt for Z-conveying (swan or goose neck)

Blue Polyester Mesh Belts
TPU and PVC Reinforcements

Reveyron's mesh belt has been developed to optimise the conveying of food and industrial products with the aim to filter, drain and dry.
The mesh belts are made from polyester fabric with monofilament warp and weft threads.
The lateral and end reinforcements are made exclusively with Reveyron TPU or PVC belt material, compliant with EU food regulations.

Reinforcements

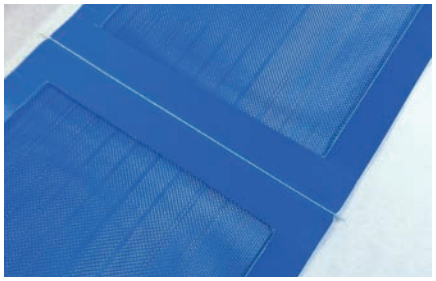
TPU or PVC lateral and end reinforcements are equipped with a blue gauze fabric carcass:
- Great dimensional stability
- Excellent tear strength and high elongation modulus for the tensile efforts
- Great splice strength

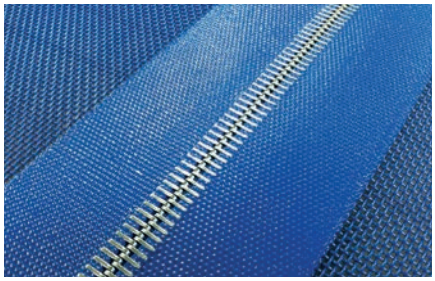
Bottom side with friction enhancing embossing:
- Excellent pulley friction drive
- Excellent V-tracking

Sealed edges FPS of PU reinforcement

Joining

Joining with single finger





Joining with stainless steel fasteners; flat, round, plastic threads or hinges options

	Mesh type	Mesh spacing (mm)	Ø mono-filament	No. of threads / cm	Air permeability (in l/m²/s at 200Pa)	Tear strength (daN/cm)
	MA 1.1x1.1/XX	0,9 x 0,95	0,9 mm	5,4	4700	170
	MA 2x2/XX	1,9 x 1,95	1 mm	3,4	9000	135
	MA 3x3/XX	3 x 3	1,2 mm	2,3	10000	120
	MA 3.6x4/XX	3,6 x 4	1,2 mm	2,0	13200	120

Reinforcement	PVC (2TX60/LD)	PU (2PURX30X/LX30)
Reinforcement thickness	3,1 mm	2,9 mm
Lateral reinforcement width	30-70 mm	
End reinforcement width	40 or 70 mm, depending on splicing	
Sealed edges reinforcement (FPS)	-	√
Product temperature	-5°C to 90°C	-40°C to 90°C
Ambiant temperature	0°C to 60°C	-25°C to 60°C
Minimum Ø	100 mm (excluding accessories)	

Accessories: Lateral tracking guides, Compart™ Sidewalls, cleats/flights, PU fingers.

Codification of Reveyron Belts

CODIFICATION

2	PUR	B	20	H	/	C	W

Number of plies

1 ply	1
2 plies	2
3 plies	3

Material

Polyurethane	PUR
PVC	T
Silicone/PU	SI
Silicone/fiberglass	VS

Colour

White	B
White resistant to fat (PVC)	G
Translucent	I
Black	N
Red	R
Blue-green	V
Blue	X
Baby blue	XB
Cobalt blue	XK

Thickness of top surface in 1/100 mm

Belt top side

HR	Positive rice grain pattern ("High Release")
D	Negative pyramid pattern
MAT	Matte cover
H	Hard, matte surface
MINIGRIP	Snakeskin pattern
STR	Longitudinal rib
SQR	Cross pattern
GRIP	GRIP roughtop

Type of fabric

E	Rigid in weft – 80 N/mm
C	Rigid in weft, antistatic – 80 N/mm
L	Very rigid in weft – 110 N/mm
LC	Very rigid in weft, antistatic – 110 N/mm
5E	Extremely rigid in weft – 85 N/mm
5C	Extremely rigid in weft, antistatic – 85 N/mm
F	Flexible – 120 N/mm
fl	Flexible, thin – 85 N/mm

Belt back side

0	Non-impregnated fabric
D	Negative pyramid pattern
HR	Positive rice grain pattern ("High Release")
S	Low noise fabric
W	Impregnated fabric

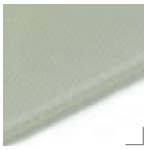
FINISH AND PATTERN COVERS OF OUR BELTS

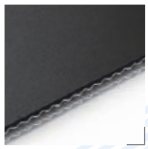
PU belts


White


Blue

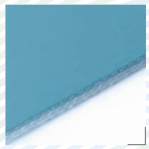

Blue-green


Translucent

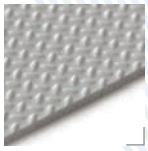

Black


Red

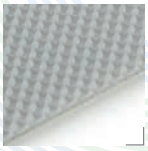

Cobalt blue


Baby blue

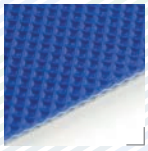
Patterned PU belts

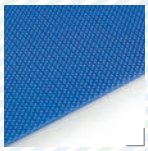

White HR

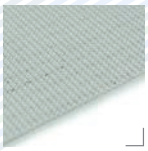

Blue HR


White Negative Pyramid


Blue Negative Pyramid


Cobalt blue Negative Pyramid

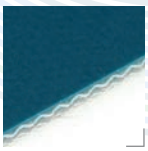

Blue fabric

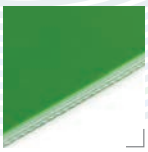

White fabric

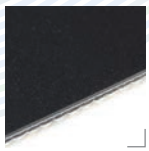
PVC belts


White

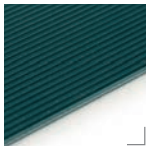

Blue

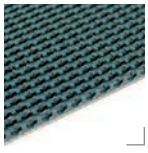

Blue-green

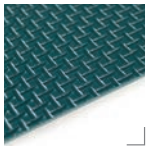

Apple green

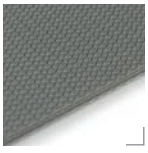

Black

Patterned PVC belts


Blue-green Longitudinal rib


Blue-green GRIP roughtop


Blue-green Cross pattern


Grey Minigrip Snakeskin

TPU and PVC Belt Fabrication

In our high performance fabrication unit, we weld a large variety of profiles on our belts which fulfil the most challenging requests:

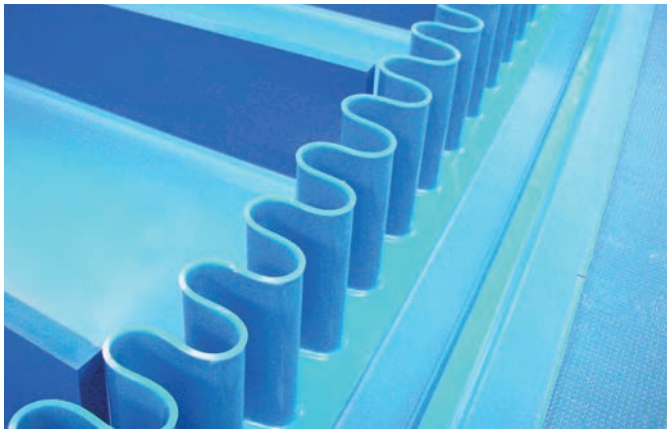
- V-guides
- Cleats/Flights
- Compart™ corrugated Sidewalls

Welding reliability and quality is essential for belt fabrication. The profiles we weld onto our belts are used for tracking purposes, for inclined or "Z" conveying with cleats and are often sidewalled for bulk conveying.

Our V-guides, cleats and Compart™ corrugated Sidewalls in TPU are compliant with Food Regulation EU 10/2011.

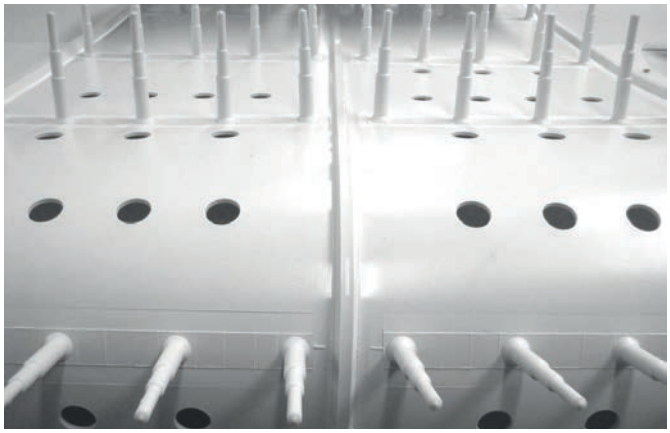
- Reveyron has carefully chosen the most appropriate materials for our belts in order to obtain the best welding results and optimal mechanical performances.
- The Compart™ corrugated Sidewalls and V-tracking profiles are welded by hot air on well calibrated machines, assuring a high precision and reliable welding process.
- Our cleats/flights are welded by High Frequency (HF) machines. In our unit, we have several high performance HF machines which are capable to perform different welding processes and allow us to weld cleats of up to 3 meters wide and 150 mm high.

Belt with chevrons



Belts with profiles, cleats and Compart™ Sidewalls

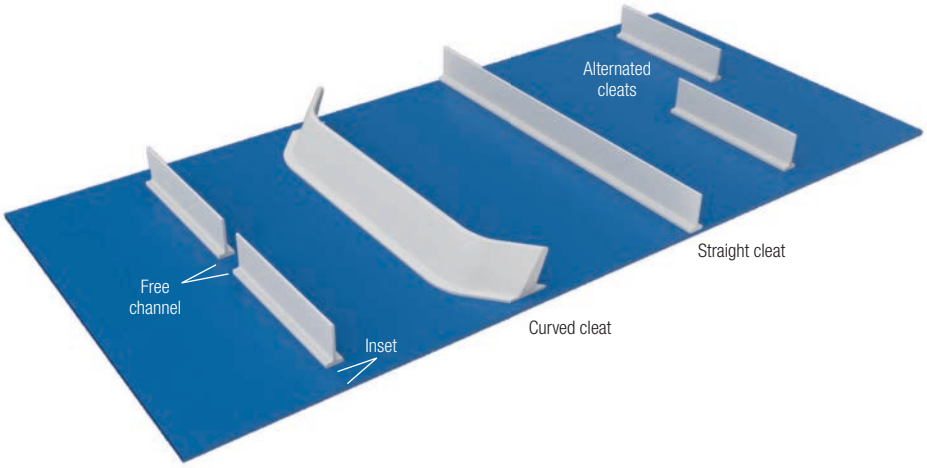
Belt with pillows



Belts with fingers, profiles and perforations

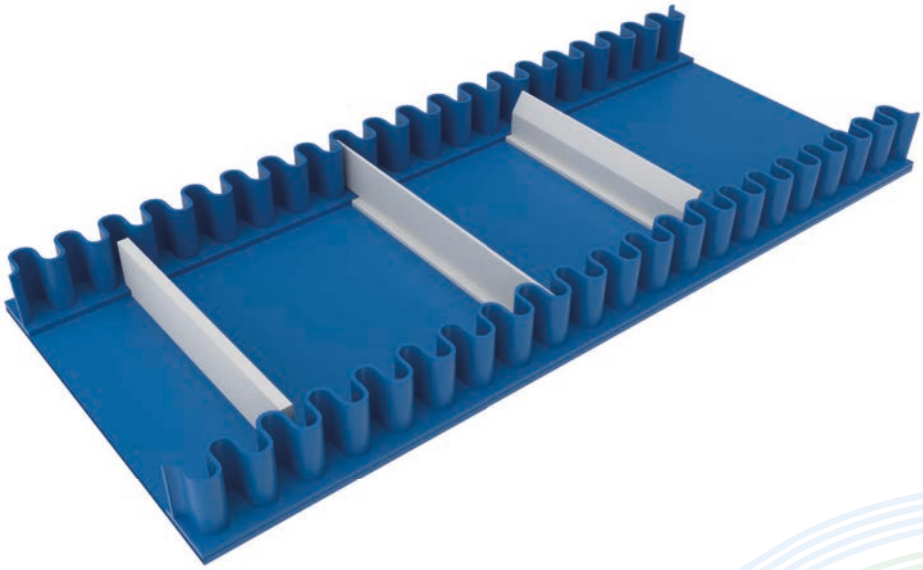
Belts with Cleats/Flights

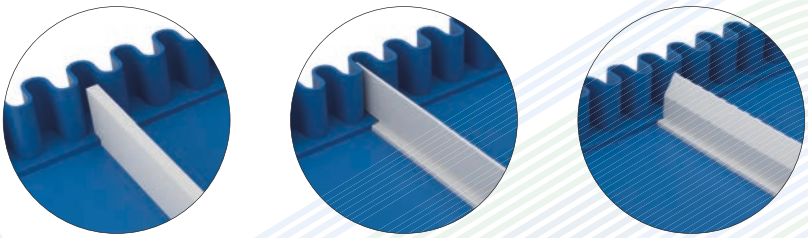
- Simple rows, with or without lateral inset
- Several cleats in a row and free channel
- Alternated cleats in rows
- Straight, inclined, curved or reinforced cleats



Belts with Compart™ Sidewalls

- Cleats tangent to the Compart™ Sidewall or connected into the back of the waves
- With or without lateral inset





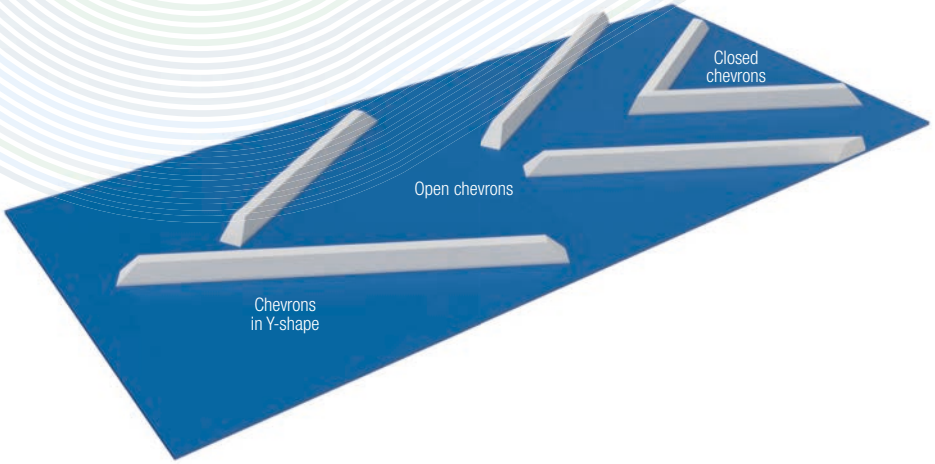
Cleats fitted tangent to the Compart™ Sidewall

Cleats fitted into the waves of Compart™ Sidewall

Standard fitting

Belts with Chevrons

- Closed, open chevrons or in Y-shape
- With or without lateral inset



Compart™ Corrugated Sidewalls

Keep your conveyor technology simple

The Compart™ corrugated Sidewalls make your belt fabrication easy and more reliable on inclined conveyors or swan-necks. The products are safely kept on the belt. Thus, the product flow is enhanced and the process is under control.

Reliable Process With Increased Product Flow Capacity

Perfect welding

- The base and the corrugation are made from identical TPU material. This results in a perfect bond.
- The base allows a perfect weld onto the belt's top surface, whether it is PVC or TPU.

Excellent technical properties

- Reveyron's TPU contains no additive nor plasticisers and is intrinsically flexible. Most importantly it remains permanently flexible.
- Its flexibility is also assured in all types of conveying conditions.
- The Compart™ corrugated Sidewalls in polyurethane have a very high tear strength and are very resistant to cuts, oils, fats and to intensive cleaning.

Life span and durability

The service life of conveyor belts from Reveyron is enhanced due to the Compart™ corrugated Sidewalls' durable performances.

Ensuring Food Safety

Efficient cleaning

Perfectly smooth welding and crevice free, allowing a flat, flush surface for efficient cleaning.

Food compliance

Our Compart™ Sidewalls are fully compliant with the EU regulation No 10/2011 for food contact.
We have done the mandatory migration tests for the full Compart™ Sidewall range.

Easy and Quick to Fit, Reliable in Time

Compatible With All TPU and PVC Belting Materials

The special TPU material which is used for the production of the Compart™ Sidewalls has been designed by Reveyron for a perfect and easy weld on TPU as well as on PVC belting surfaces.

High quality fitting made easy

- Compart™ Sidewalls can be easily welded by hot air or by High Frequency (HF) machines or on site by hand. If needed, the base allows cold bonding procedures.
- The thermal welding ensures a permanent and inseparable bond between the base of the Compart™ Sidewall and the belt structure.
- In the splicing area and as the corrugation is formed on its base, the corrugated shape of the sidewall does not need to be reconstituted.
- With the Compart™ Sidewalls, belt fabrication is fast and easy.

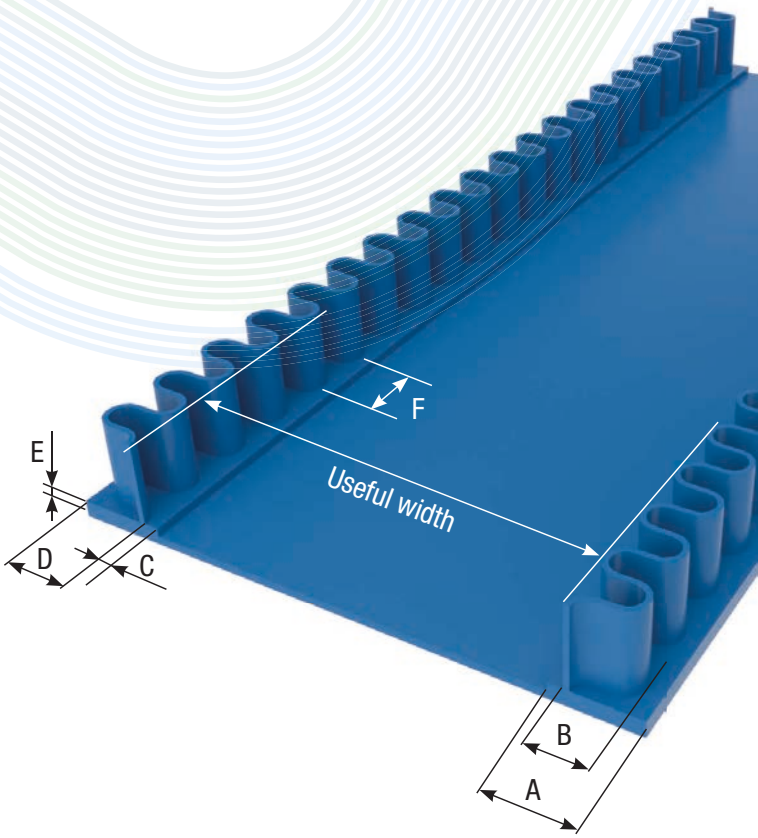
Fitting of ends prepared

- In your workshop or on-site, the preparation of splicing and joining both ends together on belts equipped with Compart™ Sidewalls can be done quickly and precisely.
- The joining of both Compart™ Sidewall ends is clean and accurate.

Maintenance operations on sidewalled belts*

- When you need to modify the length of the conveyor belt or carry out a repair, the Compart™ Sidewalls can also be easily removed or additional sidewall material can easily be welded onto the belt.

*Our manual for the fitting and jointing of the Compart™ Sidewall material is available on request.



Type	Colours	Height	Min. pulley Ø	Min. pulley Ø backflex	Base width A	Corrugation width B	Section C	Section D	Section E	Corrugation pitch F	Weight	Hardness
		mm	mm	mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	kg/m	ShA
Compart 20	○ ● ● ●	20	40	90	30	20	5	25	2,5	23	0,17	85
Compart 30	○ ● ● ●	30	60	120	30	20	5	25	2,5	23	0,22	85
Compart 40	○ ● ● ●	40	80	160	30	20	5	25	2,5	23	0,27	85
Compart 50	○ ● ● ●	50	90	180	60	34	13	47	2,5	40	0,33	85
Compart 60	○ ● ● ●	60	110	220	60	34	13	47	2,5	40	0,37	85
Compart 80	○ ● ●	80	140	300	60	34	13	47	2,5	40	0,53	85
Compart 100	○ ● ●	100	180	360	70	34	18	52	3	40	0,63	85

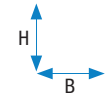
Our Compart™ Sidewalls are available in 100 meter long rolls.
For any specially made requests such as colour and/or material, please contact us.
Other colours available on request:

- ● VPC (apple-green)
- ● R (red)
- ● VF (dark-green)

TPU Cleats/Flights

Type	Material	Colours					Dimensions		Min. Pulley Ø	Hardness	Options				Weight	Packaging unit	
		White	Blue	Blue-green	Black	Translucent	(mm)		(mm)	(ShA)	Curved	Chevron	Comparts		(g/m)	Length	Units
							B	H					Integrated	Tangent		(m)	(m)
T20	TPU	○	●	●			8	20	50	92			√	√	90	3	33/99
T30	TPU	○	●	●			9	30	50	92			√	√	150	3	33/99
T40	TPU	○	●	●			9	40	50	92			√	√	200	3	33/99
T50	TPU	○	●	●			9	50	50	92			√	√	300	3	33/99
T60	TPU	○	●	●			11	60	50	92			√	√	350	3	33/99
TI30	TPU	○	●	●			9	30	50	85				√	175	3	33/96
TI40	TPU	○	●	●			9	40	50	85				√	220	3	33/63
TI60	TPU	○	●	●			11	60	50	92				√	400	3	33/99
SP20-6	TPU	○	●	●			6	20	80	85				√	145	3	33
SP30-6	TPU	○	●	●			6	30	80	85				√	215	3	33
SP40-6	TPU	○	●	●			6	40	80	85				√	290	3	33
SP50-6	TPU	○	●	●			6	50	80	85				√	360	3	33/99
SP60-6	TPU	○	●	●			6	60	80	85				√	430	3	33/99
SP80-6	TPU	○	●	●			6	80	80	85				√	570	3	27/54
SP100-6	TPU	○	●				6	100	80	85				√	740	3	27/54
SP150-6	TPU	○	●				6	150	80	85					1200		
SP20-10	TPU	○	●				10	20	120	85				√	240	3	27
SP30-10	TPU	○	●				10	30	120	85				√	360	3	27
SP40-10	TPU	○	●				10	40	120	85				√	480	3	27
SP50-10	TPU	○	●				10	50	120	85				√	600	3	27
SP60-10	TPU	○	●				10	60	120	85				√	720	3	27
SP80-10	TPU	○	●				10	80	120	85				√	960	3	27/54
SP100-10	TPU	○	●				10	100	120	85				√	1210	3	27/54
SP150-10	TPU	○	●				10	150	120	85					1820		
RH30	TPU	○		●			32	30	100	76	√			√	380	3	33/99
RH40	TPU	○		●			32	40	100	76	√			√	450	3	33/99
RH50	TPU	○	●	●			32	50	110	76	√			√	700	3	33/99
RH60	TPU	○		●			32	60	120	76	√			√	950	3	33/99
RH80	TPU	○	●				31	80	140	76	√			√	1000	3	33/66
TM30*	TPU	○	●		●		55	30	120	92					320	2	30/60
TM40*	TPU	○	●				55	40	120	92					415	2	30/60
TM50*	TPU	○	●		●		55	50	120	92					500	2	30/60
TM60*	TPU	○	●				55	60	120	92					600	2	30/60
R10/10	TPU	○	●				10	10	60	70		√			125	1	200
R40/6	TPU	○					40	6	110	85					290		
R30/8	TPU	○					30	8	150	85					290		
TR6/4	TPU	○	●				6	4	40	70		√			30	1	250
TR8/5	TPU	○	●	●			8	5	50	70		√			34	1	250
TR10/6	TPU	○	●	●			10	6	50	70		√			60	1	250
TR13/8	TPU	○	●	●		○	13	8	80	70		√			93	1	250
TR17/11	TPU	○	●	●			17	11	120	70		√			174	1	125
TR22/14	TPU					○	22	14	150	62		√			265	1	75
D60-80	TPU	○					14	60	80	70		√			10 g		
D105-80	TPU	○					21	105	90	70		√			15 g		
D105-85	TPU		●				21	105	90	85		√			16 g		

PVC Cleats/Flights

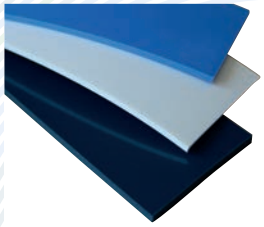


Type	Material	Colours				Dimensions		Min. Pulley Ø	Hardness	Options				Weight	Packaging unit	
		White	Blue	Dark Green	Translucent	(mm)		(mm)	(ShA)	Curved	Chevron	Comparts		(g/m)	Length	Units
						B	H					Integrated	Tangent		(m)	(m)
T20	PVC	○		●		20	20	60	60				√	180	3	33/306
T30	PVC	○	●	●		24	30	80	60				√	350	3	33/225
T40	PVC	○	●	●		24	40	80	60				√	430	3	33/156
T50	PVC	○	●	●		28	50	100	60				√	630	3	33/156
T60	PVC	○	●	●		28	60	100	60				√	790	3	33/81
T75	PVC	○	●		●	32	75	120	60				√	1080	2	32/96
T100	PVC	○	●	●		32	100	120	67				√	1500	3	33/66
RH30	PVC	○		●		32	30	90	67	√			√	380	3	33/99
RH40	PVC	○		●		32	40	90	67	√			√	450	3	33/99
RH50	PVC	○	●	●		32	50	100	67	√			√	700	3	33/99
RH60	PVC	○	●	●		30	60	110	67	√			√	950	3	33/99
RH80	PVC	○	●	●		31	80	120	67	√			√	1000	3	33/66
RH100	PVC	○		●		29	100	140	67				√	1400	3	33/66
TM50*	PVC		●		●	55	50	80	●65 ●80					650	2	30/60
TM60*	PVC		●		●	55	60	80	●65 ●80					780	2	30/60
TM75*	PVC		●		●	55	75	80	●65 ●80					975	2	30/60
TMI50*	PVC		●		●	55	50	80	●65 ●80				√	650	1,2	30/60
TMI60*	PVC		●		●	55	60	80	●65 ●80				√	820	1,2	30/60
TMI75*	PVC		●		●	55	75	80	●65 ●80				√	975	1,2	30/60
R10/10	PVC	○	●	●		10	10	60	60		√			125	1	200
R40/6	PVC	○				40	6	90	60					290		50
TR8/5	PVC	○	●	●		8	5	40	○●55 ●60		√			33	1	250
TR10/6	PVC	○	●	●		10	6	50	○●55 ●60		√			57	1	250
TR13/8	PVC	○	●	●		13	8	70	○●55 ●60		√			88	1	125
TR17/11	PVC	○	●	●		17	11	100	○●55 ●60		√			164	1	125
TR17/15	PVC	○		●		17	15	100	○55 ●60		√			230	1	200
TR22/14	PVC	○		●		22	14	140	○●55 ●60		√			265	1	75
TR45/17	PVC	○				45	17	200	76					690	1	100

*Fabric reinforced cleats / flights

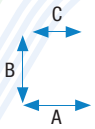
Other heights are available on request

Extruded Polyurethane



Type	Colours	Production width	Thickness	Hardness	Finish	Food approved EU 10/2011
		mm	mm	ShA		
PUX1M	●	650	1,00	85	Matte finish	√
PUB2M / PUX2M / PUV2M / PUN2M	○ ● ● ●	650	2,00	85	Matte finish	√
PUB3M / PUX3M / PUV3M	○ ● ●	650	3,00	85	Matte finish	√
PUB4M / PUV4M	○ ●	650	4,00	85	Matte finish	√
PUV5M	●	650	5,00	85	Matte finish	√

TPU and PVC Tracking Guides and Profiles



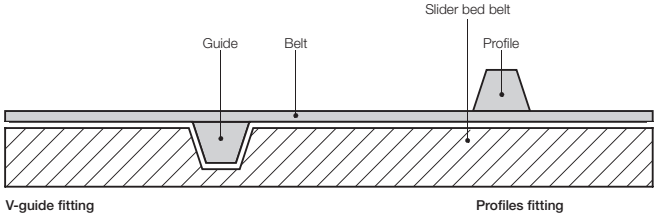
Profile type	Material	Colours					Dimensions			Min. Pulley Ø		Hardness	Weight	Quantity
		White	Blue	Blue-green	Dark Green	Translucent	(mm)			(mm)		(ShA)	(g/m)	(ml)
CR = notched							A	B	C	Back side	Top side			
TR6/4	TPU	○	●				6	4	4	35	40	70	30	250
TR8/5	TPU	○	●	●			8	5	5	50	60	70	34	250
TR10/6	TPU	○	●	●			10	6	6	60	80	70	60	250
TR13/8	TPU	○	●	●		○	13	8	8	90	110	70	93	125
TR17/11	TPU	○	●	●			17	11	10	120	140	70	174	125
TR22/14	TPU					○	22	14	13	150	170	62	265	75
TR6/4CR	TPU	○	●				6	4	4	25	35	70	23	250
TR8/5CR	TPU					○	8	5	5	40	40	60	34	250
TR10/6CR	TPU	○	●				10	6	6	50	90	70	60	250
TR13/8CR	TPU	○	●				13	8	8	80	100	70	93	125
TR17/11CR	TPU					○	17	11	10	100	120	70	174	125
R10/10	TPU	○	●				10	10	-	100	140	70	125	200
TR8/5	PVC	○	●		●		8	5	5	40	60	60	33	250
TR10/6	PVC	○	●		●		10	6	6	60	80	60	57	250
TR13/8	PVC	○	●		●		13	8	8	80	120	60	88	125
TR17/11	PVC	○	●		●		17	11	10	120	150	60	164	125
TR17/15	PVC	○			●		17	15	8	120	180	60	230	200
TR22/14	PVC	○			●		22	14	13	160	240	60	265	75
TR10/6CR	PVC	○	●		●		10	6	6	45	100	60	57	250
TR13/8CR	PVC	○	●		●		13	8	8	60	130	60	88	125
TR17/11CR	PVC	○			●		17	11	10	100	180	60	164	125
R10/10	PVC	○			●		10	10	-	90	120	55	125	200

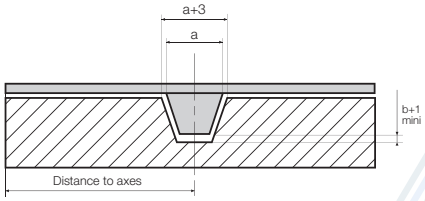
Other TPU or PVC rectangular profiles are available on request

Thickness	Material	Colours			Width	Min. Pulley Ø	Hardness
b (mm)		White	Blue	Blue-Green	A max (mm)	(mm)	(ShA)
2	TPU	○	●		60	30	85
2,5	TPU	○	●	●	60	40	85
3	TPU	○	●	●	60	50	85
4	TPU	○		●	60	80	85
5	TPU			●	60	120	85
6	TPU	○			40	140	85
8	TPU	○			30	160	85
6	PVC	○			40	90	70

Important: the indicated pulley diameter is based on a usage at 20°C.

Instructions for V-groove on pulleys

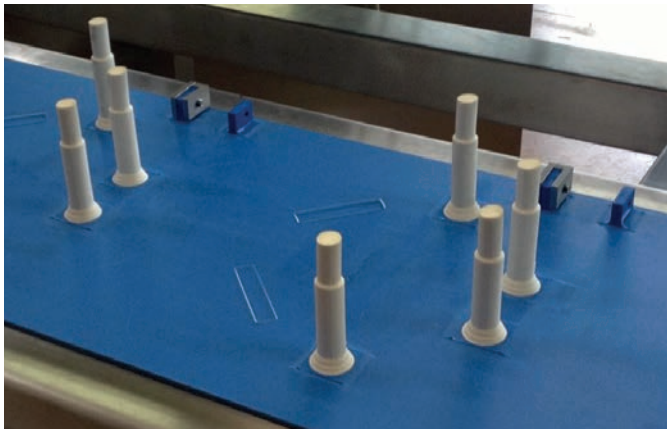




TPU Fingers

Belts equipped with fingers are mainly used in agricultural processing plants, before the washing process as well as for dewatering purposes.

Very flexible and robust, TPU fingers are used to convey fragile products such as fruits and vegetables.



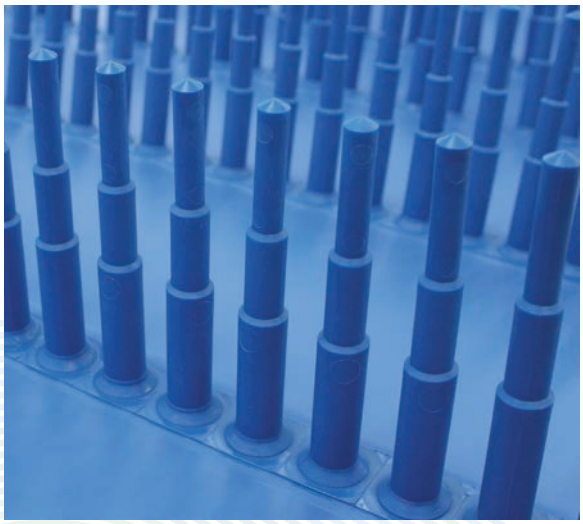
D105 fingers cut down – Belt with positioning marks

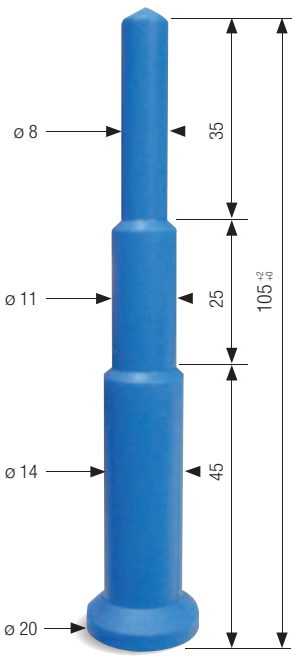
Fingers are used for:

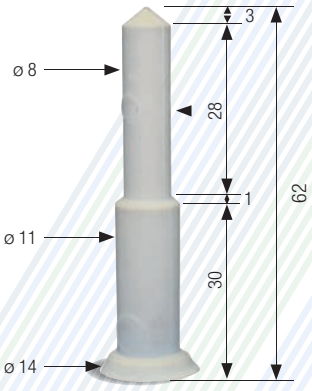
- Positioning
- Vertical conveying
- Dewatering

Their HF welding offers a great tear strength and a great resistance to shear. Often, those belts are used in an outdoor environment, hence TPU fingers offer a great mechanical resistance to cold temperatures.
TPU fingers have a much longer service life than belts equipped with PVC finger material.

Finger type	Material	Colour	Height (mm)	Ø base (mm)	Min. Pulley Ø (mm)	Hardness (ShA)	Centre distance (mm)	Min. Pitch (mm)
D60-70	TPU	○	60	14	80	70	25	45
D105-70	TPU	○	105	20	90	70	25, 30, 35…	45
D105-85	TPU	●	105	20	90	85	25, 30, 35…	45







Pillow Belts in TPU or PVC and Customised Fabrication

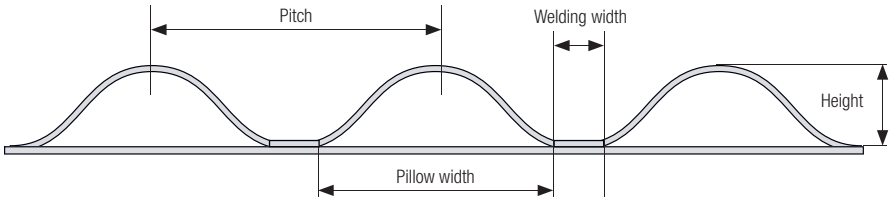
Pillow belts are designed to absorb shocks when conveying light products such as fruits and vegetables. They can also be useful to convey products with a complex shape or industrial cylinder type that requires a perfect stabilisation when being conveyed.

PVC pillow belt

TPU pillow belt

The pillows can be either continuously fitted or with larger gaps. They are welded by high frequency machines.

- Base belt: PVC or TPU
- Pillows: 1 or 2 plies
- Lines of 1 or more pillows
- Welding width: 10 or 20 mm
- Shape and position of pillows according to drawing



Customised Fabrication

In our well-equipped fabrication unit and with more than 90 years of experience, Reveyron designs and fabricates belts according to your special requests and drawings:

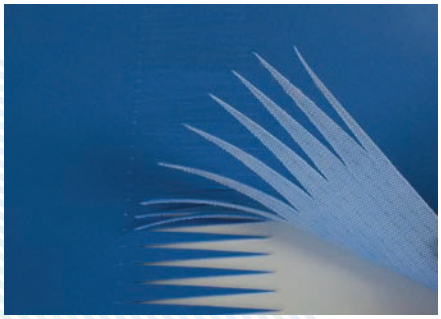
- Perforation of round or oblong holes
- Markings for visual positioning
- Cutting of extruded PU according to drawing
- Cleats/flights specially dimensioned

Perforated cleats/flights

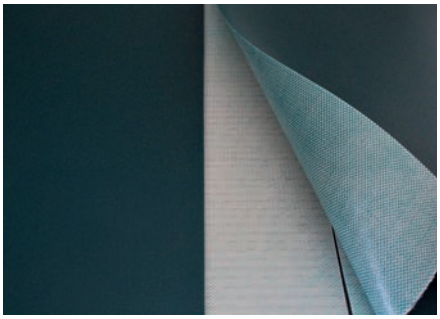
Cut cleats/flights for troughed belt

Splicing, Joining and Fasteners

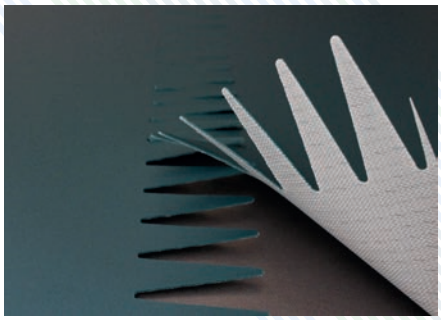
Splicing



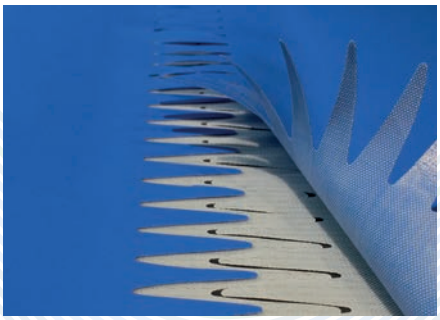
Sharp fingertip simple splicing – DSP



Straight or diagonal overlap splicing – PE and PE DIAG

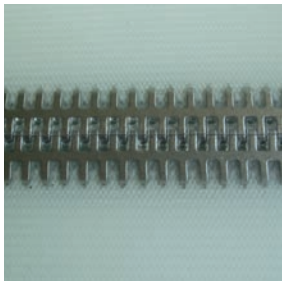


Round simple finger splicing – DS



Finger overlap splicing – DS/DEC

Fasteners

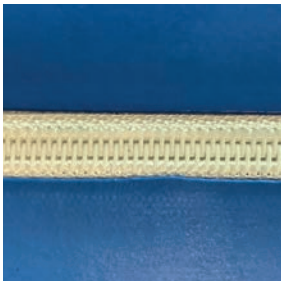


Flat wires
Securi P1, P2, P3

Round wires
Secura R4, R5

Self-lock
SL00, SL01, SL02, SL03

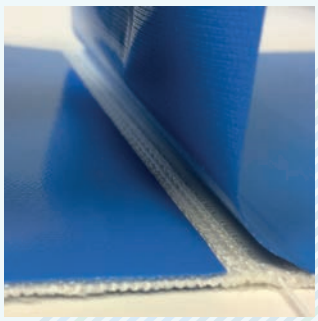
Rivet
Minibelt, Airport, Gemini



Plastic zip
AZ5, AZ7, AZ9

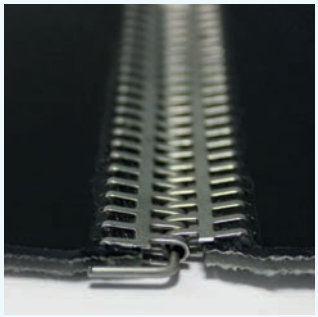
Plastic
Agrafe-Plast

Finish Options

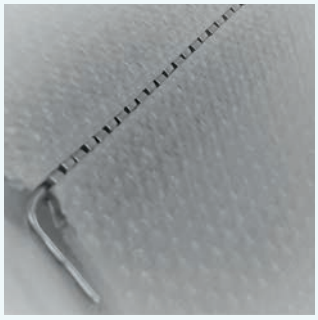


AZ fastener with cover

Rivet fastener with a Compart™ Sidewall finish



Built-in fastener



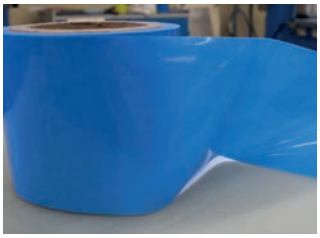
Integrated fastener

Useful Items for Belt Splicing

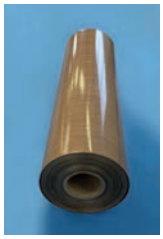
Product	Product Type	Description
Plastorev	PLASTOREV	Bi-component glue + hardener. For cold bonding of tracking guides, cleats/flights and belts.
Silicone adhesive	COLLE_SILICONE	Silicone adhesive for silicone belts.
PU foil	FPU-B FPU-X FPU-XK	Food grade, available in blue, cobalt blue and white 90 ShA. Full rolls dim. 100 m x 100 mm, 0,2 mm thick. Mainly used to improve the splice quality: better visual appearance, more strength. *Please note that Reveyron recommends to join without the use of foil.*
TPU powder	PP-PUR	Food grade, available in white, blue, blue-green, black and red. 85 and 92 ShA hardness. 1 litre bottle. Recommended to improve the final aspect of the splice.
Silicone pad	EMPREINTE_HR EMPREINTE_D EMPREINTE_MG EMPREINTE_SQR EMPREINTE_G EMPREINTE_STR	Pad available for different patterns: HR, Diamond, MINIGRIP, STR, SQR, and GRIP. 300 mm wide.
PTFE fabric	TEFLON_25/100 TEFLON-80/100	1 fabric with thick texture (80/100) to replace HR and Diamond patterns. 400 mm wide. 1 fabric with thin texture (25/100) to keep the glossy aspect of belts. 350 mm wide.
Matte paper	PAPIER_MAT PAPIER_MAT_H	Gives a matte finish on the top side of the belt. MAT 200 m x 570 mm (thin paper) MAT_H 100 m x 400 mm (thick paper)
Smooth silicone pad	PLAQUE_SILICONE	380 mm wide. The pad avoids the PU leaking through on the fabric bottom side and ensures a very low friction in the joining area. Ideal for knife-edge conveyors.
Auto-adhesive roll for finger cutting	ROULEAU_DS	20 ml roll. Finger cutting template.
Finger cutting tool	OUTILDS	Wooden support with finger cutting steel blade. Fingers: 50 x 20 mm or 80 x 20 mm. Other dimensions upon request.
DS26	NETTOYANT	Food grade and biodegradable cleaner detergent. 5 litre can. Concentrated solution to be diluted with water, providing 40 litres of cleaning product. Should be used only to clean belts in the workshop or for on-site set-up.

PU powder

Grip silicone pad



PU foil



PTFE 25/100 and 80/100 fabrics

Matte paper

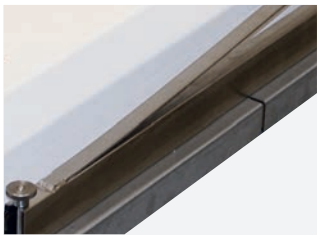
Equipment

Splicing / Joining Press

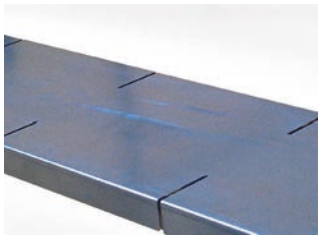
3 models covering various widths, up to 3400 mm

- PRS: Mobile press with external control box
- PRS-M: Mobile press with integrated control box
- PRS-C: Workshop press including support and external control box

- Very fast cycle: **only 10 minutes for a whole cycle**
- Tailored components and set up, ensuring **great reliability of the press**
- **"Long Life"** airbags and heating elements for the best service life
- **Safety** valves for air pressure
- Aluminium frame: **light** and **rigid** at the same time
- Belt clamps, top and bottom platens as well as heating elements are made of stainless steel
- Platens include expansion slits in order **to avoid distortion**
- The heating system ensures an equal heat distribution for an optimal and quick splicing
- The press comes with **an integrated or compact** external control box, which is **very easy to use**
- Air and water cooling on every mobile press (with water pump or air blower: both options are available)



Belt clamps



Belt platen

Control box

PRS

PRS-C

PRS-M

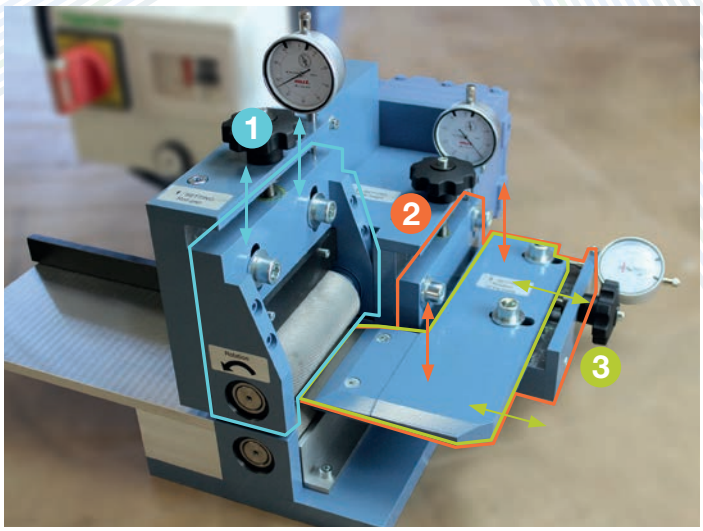
Equipment

Ply Slitting Machine PB100

This machine is a very accurate and robust tool, which has been specifically designed to separate plies on PU and PVC belts, including very thin belts.

3 Setting Parameters Controlled by Mechanical Comparators in 1/100 mm:

1. Rollers space adjustment
2. Blade height adjustment
3. Blade depth adjustment



3 setting parameters easily controlled by comparators

Capacity

- Belt thickness from 1,1 mm to 7 mm maximum
- Adjustable cutting depth, up to 110 mm
- Allows longitudinal split without limit

Control by comparator in 1/100 mm

Construction

- Painted steel
- SEW USOCOME motor – electrical power: 0,37 kW
- Power supply: 230/400 V, 50 or 60 Hz, single or 3-phase
- Speed: 5 m/min

Dimensions

- Overall length: 550 mm
- Width: 460 mm
- Overall height: 320 mm
- Net weight: 65 kg
- Packed in wooden crate

Electric Fitting

- On/Off Switch
- Emergency stop
- Protection device against overcurrent


PB100 ply slitting machine

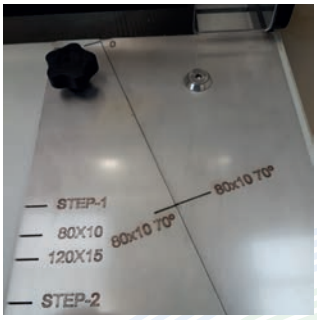
Manual Finger Punching Machine PUN-600-M and PUN-1200-M

- Open frame to punch any belt width without limit
- Adjustable pressure making it easy to use
- Supplied with belt-clamps holding the belt in position
- A light and robust machine, easy to carry

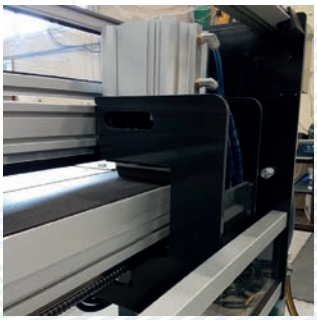
Automatic Finger Punching Machine PUN-1500-A and PUN-2000-A

- Open frame to punch very wide belts
- 3 different types of finger cutting: simple finger, overlapped finger and diagonal finger
- Easy and quick parameters setting for automatic operation
- Cutting heads easily switchable (2 screws only)
- A robust construction together with reliable selected components

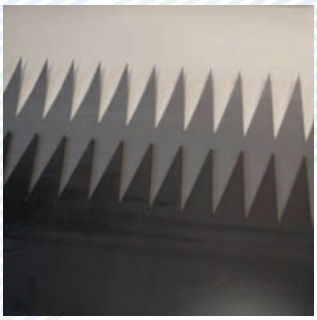
Punching machine



Setting for diagonal finger



Cutting heads



Finger punching

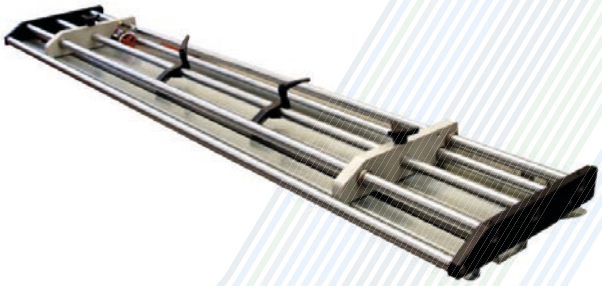
Equipment

Manual Slitter for Longitudinal Cutting DEC-2100-M

The DEC-2100-M slitter is designed for longitudinal cutting of PU and PVC conveyor belts.

Practical - Accurate - Easy to Use

This light and compact slitter is perfect for your workshop. It can also easily be carried on site.



It includes

- 2 blade holders
- 1 meter marker for measuring the length
- 2 lateral guiding systems ensuring a perfect straight cut

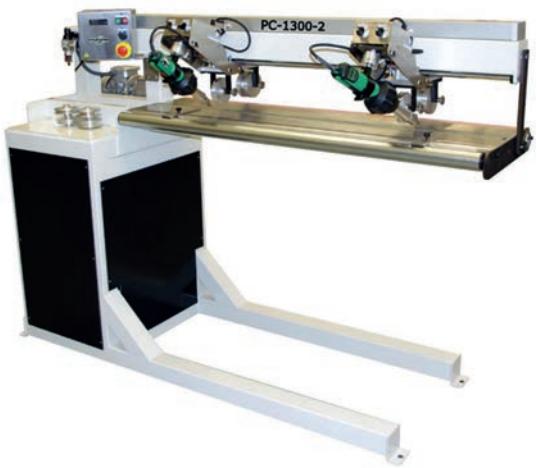
This is a multipurpose and user-friendly machine. Used manually without power supply.

Technical Specifications

- Dimensions: 2230 x 475 x 162 mm (L x W x H)
- Net weight: 76 kg
- Maximum belt thickness: 6 mm
- Maximum belt width : 2100 mm

Welding Machine for Guide Strips PC-600-1, PC-1300-2 and PC-1500-2

- Tracking guide welding on endless belts
- Belt driven by pressure on pulley, adjustable speed
- Tracking guide welding on pulley in order to minimize friction
- Specific hot air nozzle for tracking guide welding
- Leister® hot air tool and pulley drive are set up independently to guarantee reliable welding
- Easy and quick replacement of pulleys (fitted on ball bearings)
- Easy and accurate adjustment of the welding heads, linearly guided



Our Services

Our experienced team can provide first-hand advice and is very attentive to our customers' requirements. We have built our strength on knowledge and know-how. With our can-do culture and range of services, we look for the most appropriate and best solution.

Our technical advice can be pivotal for your projects and for the long-term satisfaction of your customers. From technical advice to a tailor-made approach to your project, we do our utmost to ensure your requirements are fulfilled long-term.

As part of our service, we organise the shipping of goods across the world. We can provide a reliable and competitive shipping solution and we inform you of the carrier cost in advance.

Shipping Within the European Union

The date mentioned on your order confirmation is the date the goods are ready for shipping. The correct dimensions and weight are known on the date the goods are ready to be shipped.

- Express: 24 to 72 hrs.
- Standard: delivery in 2 to 6 days depending on the destination. This is not contractual.
- Shipping with a guaranteed delivery date, with competitive prices.

Shipping Worldwide

Delivery time and freight cost are two key elements that determine the most appropriate type of transport: by road, air freight or sea freight.

Indicating the level of urgency on your order will help us guide you towards the best freight option.

We work closely with freight companies which are experienced in dealing with complex shipments. Together with their freight expertise, we ensure the goods are delivered appropriately and in good time.

It can take up to a few days to prepare the shipping documentation depending on the customs requirements (EUR1, Certificate of Origin, Bill of Lading,…). The goods will be shipped based on the available vessel or flight departure dates.

Signing the Proof of Delivery

Our products are very well packed and protected. However if you notice even the slightest damage **when being delivered,** it is important that you only accept it by **notifying the damages** on the delivery documents and in the presence of the driver.

Please contact us immediately so we can ensure that we can claim for damaged properties on your behalf. Do not reject the delivery but document any damages while the carrier is present.

www.reveyron.com

Product information as well as conveying examples are available on our website.

You can easily download technical data sheets for our belting products.

TPU: the Conveyor Belt Material of Your Future

Over recent years, thermoplastic polyurethane (TPU) as a coating material for conveyor belts has made a strong impact on the conveyor and process belting market.

Bridging the gap between rubber and plastics, this elastomer boasts a wide array of highly desirable chemical and physical characteristics. As ever more industries discover its benefits, the range of applications is growing fast.

Particularly versatile, the toughness of this material is only one part of the equation, given that in the food arena, it is important to ensure highest food safety levels.

Beyond the safety concerns, TPU increasingly replaces other materials which have been developed for conveying purposes. While tough TPU is complementary to more and more demanding rubber conveying applications, the strongest inroads are being made into the PVC conveyor belt market.

For many decades, cheap and functional PVC was the go-to choice for coatings. As PVC is a very rigid material, it must be softened for conveying purposes with agents called plasticisers. And unfortunately, PVC material can consist of up to 60% of additives. These chemicals are not bound to the PVC material and are therefore unstable. They leach out, either into the environment and/or they migrate into food and cause serious environmental and health concerns. Furthermore, dioxins and other very toxic substances are being released right from the start, already during the manufacturing process and then when the PVC products get incinerated at the end of their life span.

TPU is the material of the future, being far safer for our health and our environment. Its properties are providing particularly well adapted solutions for the most challenging conveying processes.

Technical properties	TPU	Plasticised PVC
Resistance to cold	Excellent	Poor
Resistance to animal and vegetal fat & oils	Excellent	Poor to fair
Resistance to mineral oils	Excellent	Poor
Cut and abrasion resistance	High mechanical performance	Poor and degrades over time
Mechanical strength and elasticity	High and stable over time	Low and becomes brittle over time
Chemical resistance	Good	Fair
Resistance to cleaning agents	Good to fair	Fair
Easy to clean	Easy to clean and smooth, non-porous surface	Limited cleaning possibilities and porous surface which tends to crack open
Stability of material	Very stable	Will harden and discolour over time
Welding strength	Excellent and permanent bond	Fair

Impact on health	TPU	Plasticised PVC
Migration of toxic substances	Strictly inert, no migration	Very high overall and specific migration of toxic and carcinogenic substances
Plasticisers	No plasticisers	Contains more than 50% of plasticisers, phthalates and new phthalate-like substances which are endocrine disruptors
Environmental impact during life cycle		
Initial production	Use of isocyanates (volatile substance; allergenic and irritating to skin)	Generates toxic and carcinogenic quantities of dioxin, furans, hydrochloric acid and vinyl chloride
Raw product	Bound compounds of TPU (polyols and isocyanates) are rendered inert and non-toxic	Contains additives and plasticisers. Emits harmful chemicals
Fabrication and thermowelding	Very low risk: nearly no fumes	High emission of toxic fumes
Waste management	No hazard to the environment. Biodegradable and can be disposed at waste disposal sites.	No recycling. The incineration generates highly toxic and carcinogenic substances and other persistent organic pollutants (POPs). Landfill is very problematic: no biodegradability and high contamination risks (cadmium and lead) of soil & water.

Reveyron TPU Conveyor Belts: Food Compliance

Food becomes ever safer and the consumer's health must be protected.

We are committed to this responsibility and wish to support you in your constant struggle to keep food safety at its highest and would like to contribute with ever safer products. The European Union is the world leading food market and also leading importer/exporter of food products. Its legislative framework for the protection of the consumer interest is the one which we need to respect and is referential on the international level.

Regulation (EC) No 1935/2004

It is the EU's framework regulation, setting general requirements **for all food contact materials** (FCMs): FCMs shall not release their constituents into food at levels harmful to human health or change food composition, taste and odour in an unacceptable way.

Regulation (EU) No 10/2011 on Plastic Materials and Articles

The plastics regulation is the most comprehensive specific EU measure for plastic food contact materials. It sets out rules concerning the following aspects:

- A Union list of **authorised substances** (monomer, starting substances, additives, etc) that can be used in the manufacture of plastic coatings of food contact materials.
- **Specific migration limits** (SML) for some substances on the positive list and maximum overall migration limits (OML) for the plastic food contact materials to be 10mg/dm².
- **Compliance testing requirements** (for example, food simulants, test duration and temperature).
- **Declaration of Compliance** (DoC) requirement.

The possible migration of an hazardous substance into food stuff is the main safety concern for food contact materials. The compliance of FCMs can be verified by migration testing and the plastics regulation requires that finished food contact materials and articles comply with both the specific migration limits (SML) and the overall migration limits (OML).

- **Overall migration limits** (OML): the total amount of all chemical substances that can migrate from FCM into the food stuff. Expressed per food contact surface area in mg/dm² (the limit is 10mg/dm²).
- **Specific migration limits** (SML): the amount of a specific substance (specified in the Union list) that can migrate from FCM into the food stuff. Expressed in mg of substance per kg of food (mg/kg).

Migration testing is usually done by using various food simulants. Testing temperature and duration also vary depending on food contact use conditions.

	Example of specific migration results and limits (SML) in mg/kg					
	DEHP phthalate		DINP and DIDP phthalate		n-Octyl-n-decyl phthalate	
	Results	Limits	Results	Limits	Results	Limits
White PVC belt material, tested by Reveyron	2.8	< 1.5	106	<9	4130	<5
Reveyron Securev™ TPU belt	< 0.01	< 1.5	< 0.01	<9	< 0.01	<5

All TPU coated Reveyron beltings are in compliance with a direct contact with food, while all PVC coated materials have a very limited compliance; please ask our sales service for further information.

Declaration of Compliance (DoC)

If you are a manufacturer or supplier of a food contact material (including additives), it is very important to reassure your customer that your product complies with the applicable EU legislation.

The plastics regulation requires that a written **declaration of compliance** (DoC) be provided for finished plastic materials and articles, products from intermediate stages of manufacturing as well as for the substances intended for the manufacturing of those materials and articles.

Each manufacturer has to declare their compliance under his responsibility depending on his role in the supply chain and communicate his DoC to customers. Please contact Reveyron SAS for your DoC!

La Région
Auvergne-Rhône-Alpes

07/2020 - day on mars - © Photos: Reveyron - EN

reveyron®

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