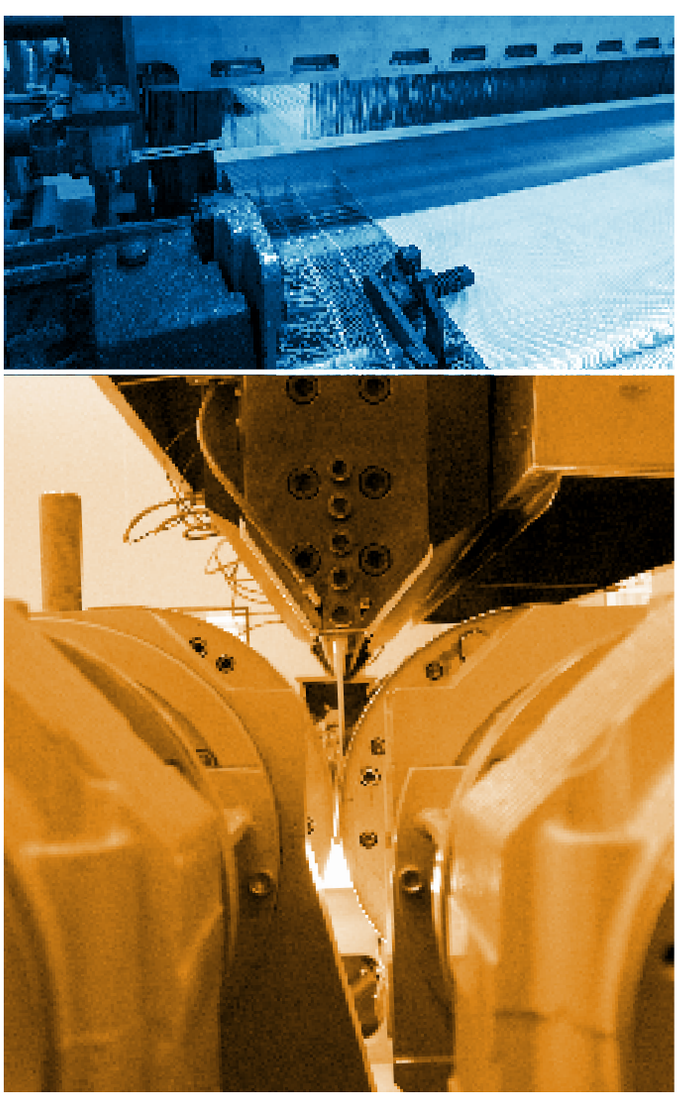
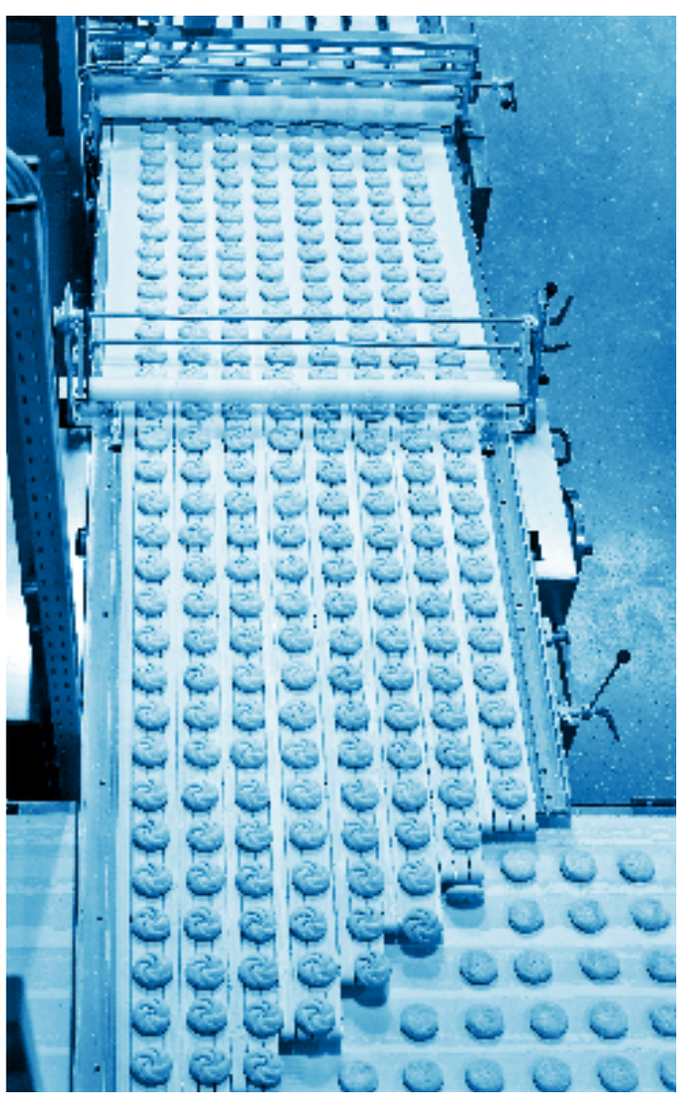
INO Belt

English
GL v.01

INO BELT
CONVEYOR BELTS

Total Solutions for
Industrial Automation





OUR BUSINESS STATEMENT

Vision

To create values and solutions in conveying processes that deliver reliability, safety and efficiency.

Mission

We innovate and rethink products and processes every single day.

Pillar of Sucess

R&D

Better products

R&D is the most important area in our organisation. Investments in this field amount to more than 4 % of our annual turnover. With a strong team of industry experts and selected partnerships with universities, we continuously work on new materials and production processes.

Passion

Better people

Our team is a mixture of established industry leaders, visionary thinkers, and ambitious idealists that aim to create a new kind of belting company – the kind that sets new standards in innovation, service and loyalty.

Service

Better collaboration

With a service-oriented mindset, we go above and beyond our clients' expectations to deliver the best experience possible. Your satisfaction is our accomplishment.

INO stands for innovation. It is our philosophy to revolutionize the belting industry by creating innovative solutions.

OVERVIEW
MANUFACTURING UNIT

Vertical Integration

INO Belt takes the vertical integration approach when it comes to production. From monofilament extrusion, fabric construction to coating materials and production methods, every step is crucial to ensure the best quality possible in our products.

Fabric Department

- 2 monofilament extrusion lines
- 24 weaving looms up to 4,500 mm fabric width

Step 01

We extrude our own monofilaments to ensure quality from the start.

Step 02

Fabrics are weaved from 2 to 4.5 meters width with different characteristics.

Step 03

Materials are extruded or knife coated onto the fabrics with automatic controls in tensioning, temperature and speed.

Step 04

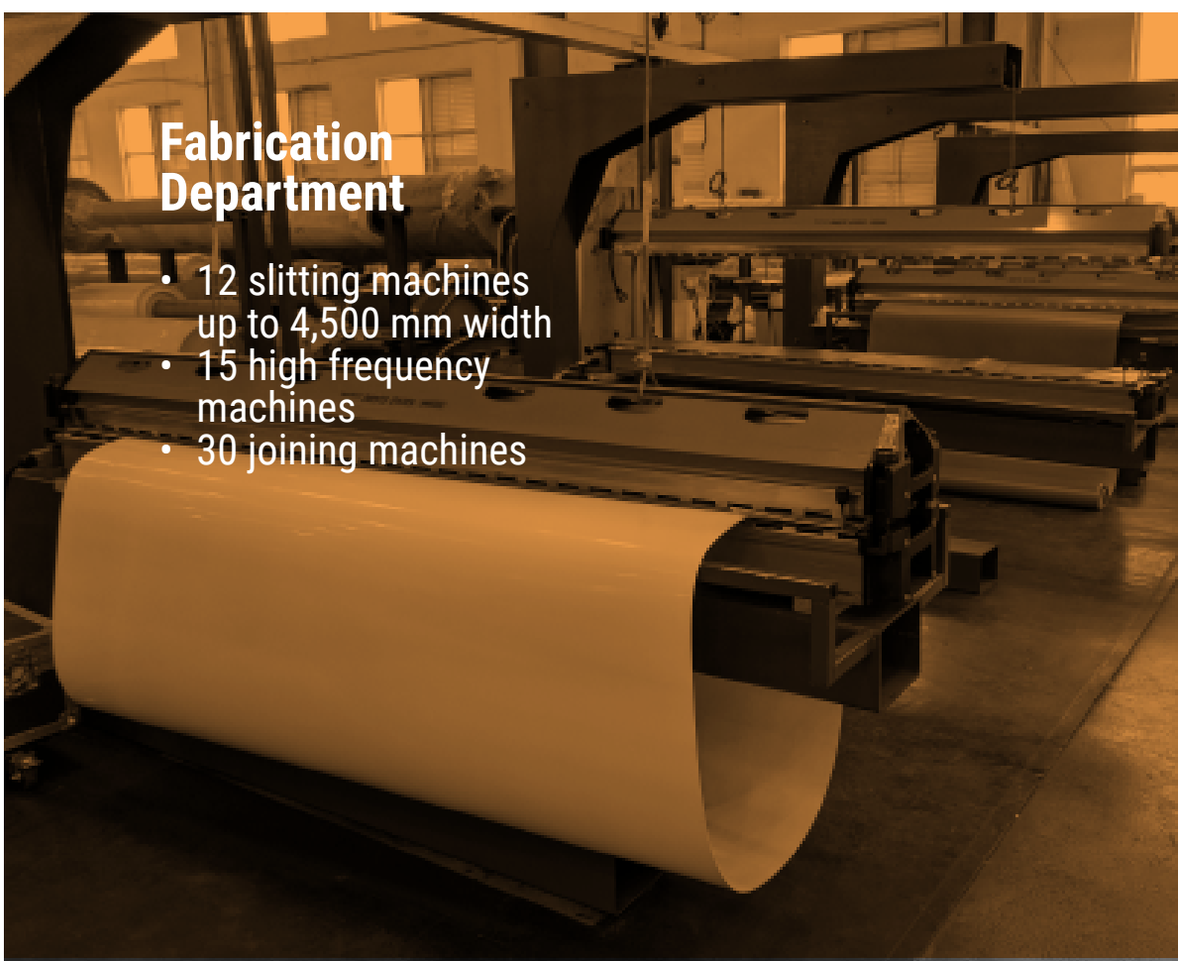
Different profiles such as matt, glossy or rough top are applied to be used at various applications.

Manufacturing Department

- 15 fully automated PVC and PU manufacturing lines
- 1,000+ product types
- 50,000 m² for manufacturing facilities
- 2,500,000 m² production capacities per shift

Step 05

Conveyor belts are fabricated at different length and width with cleats and side-walls then packaged for delivery.

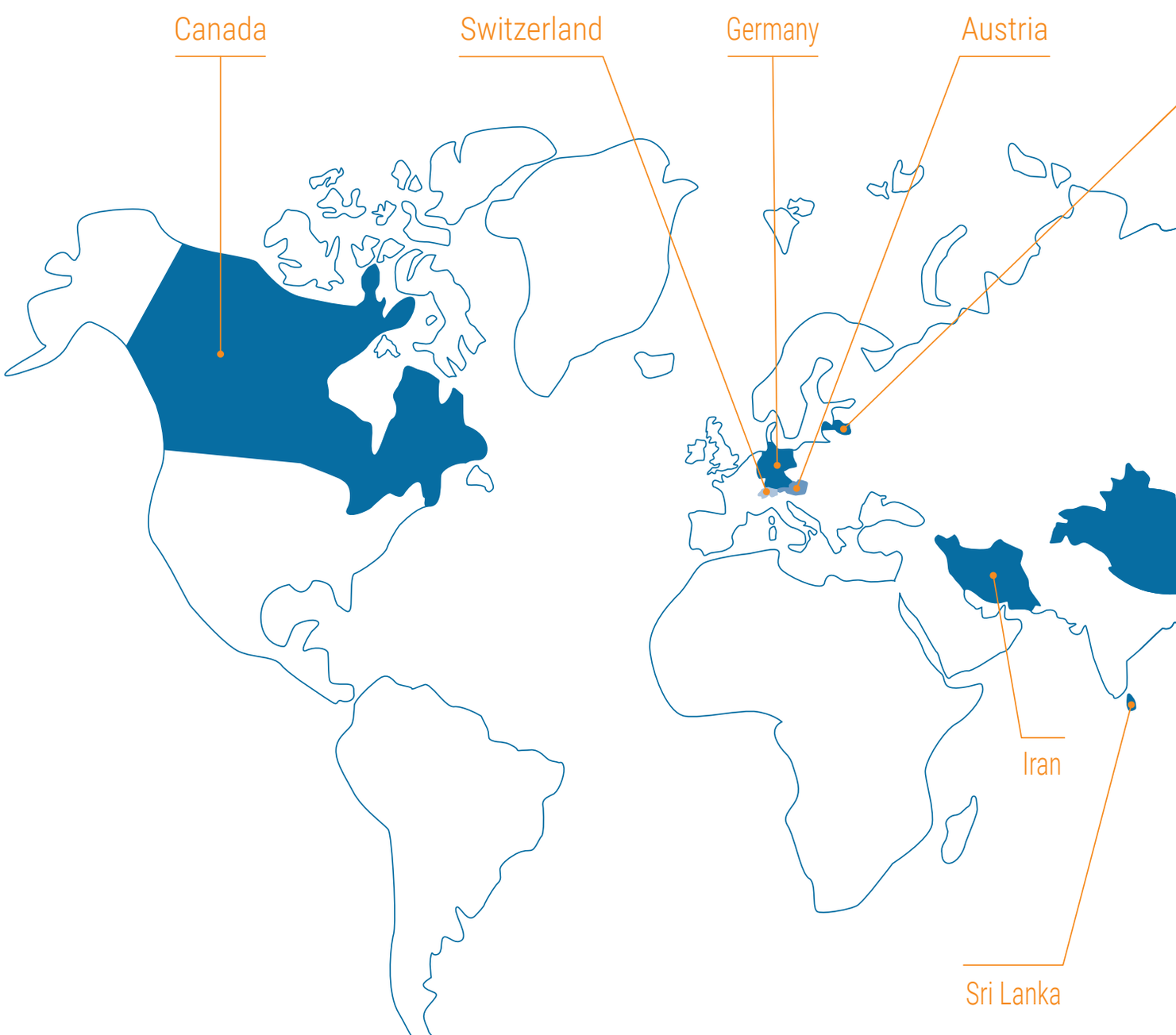


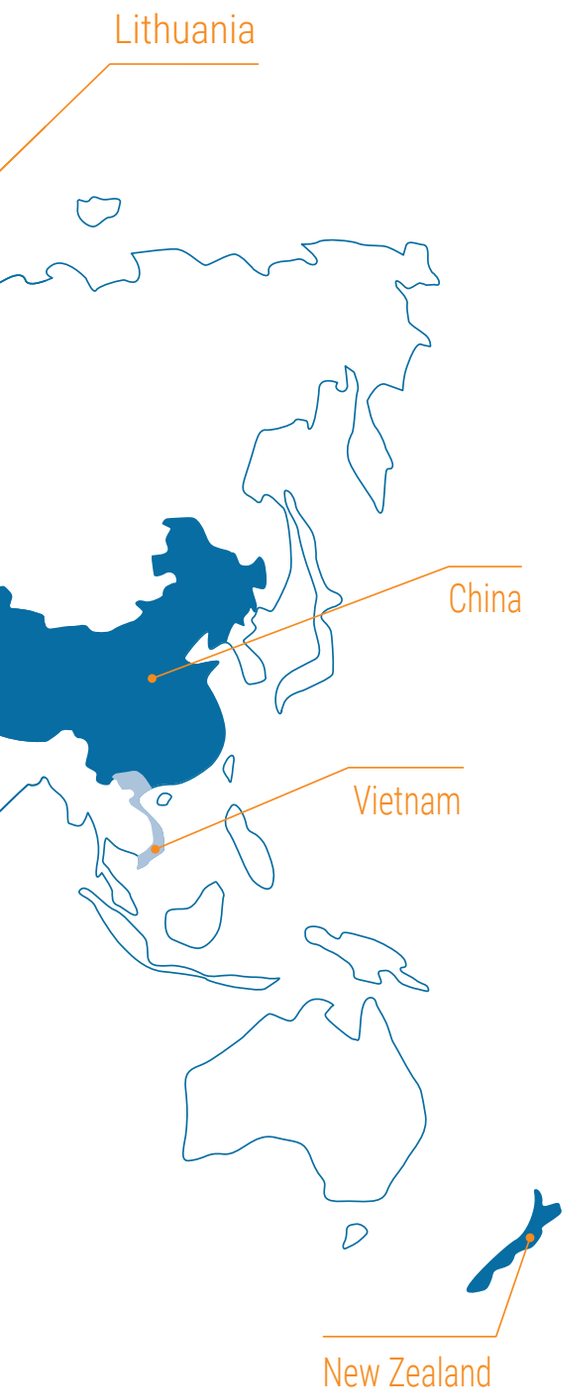
Fabrication Department

- 12 slitting machines up to 4,500 mm width
- 15 high frequency machines
- 30 joining machines

WORLDWIDE
EXCLUSIVE PARTNERS

INO Belt process and conveyor belts are represented exclusively in various countries around the world. We continue to expand our network and already operate with a dealer network in more than 70 countries.





Overview

26	years in the belting industry
70+	countries with our products installed
300+	PU types available
500+	PVC types developed
7,500	clients in different sectors

COMMON APPLICATIONS

Diverse use of our belts

Material Handling Industry

Conveyor belts used in this sector require certain characteristics such as low noise, flame retardant properties (ISO-340), high strength, as well as high abrasion resistance.

We work with different airports and warehouse centers and provide a variety of products. Starting with standard belts, ranging over solid woven and live roller belts, all the way to timing belts.

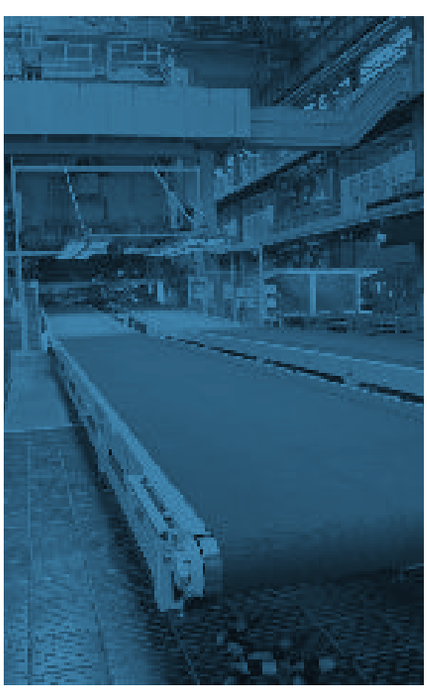
Tyre Industry

From the beginning phase of conveying raw materials, handling of the strips, tyre forming and to the final step of tyre inspection later, we are able to provide the appropriate products to our clients.

We recognize many short-comings of the current rubber belt solution especially in the mixing-room application. A common risk in this process: contamination with rubber that is stuck to fasteners. A special series is developed to eliminate this potential hazard while improving the performance of the belt in the process.

7500+

clients in different industrial sectors
such as food, automotive, logistics, meat processing, recycling, agriculture, textile printing.



Automotive Industry

High abrasion resistant PU belts are the most common used products in the automotive industry for stamping car doors, car window frames and others. Schuler presses are equipped with INO Belt conveyor belts in the Volkswagen factories for such difficult demands.

We are also able to provide the timing belts used in a vacuum environment to stack the aluminum plates.

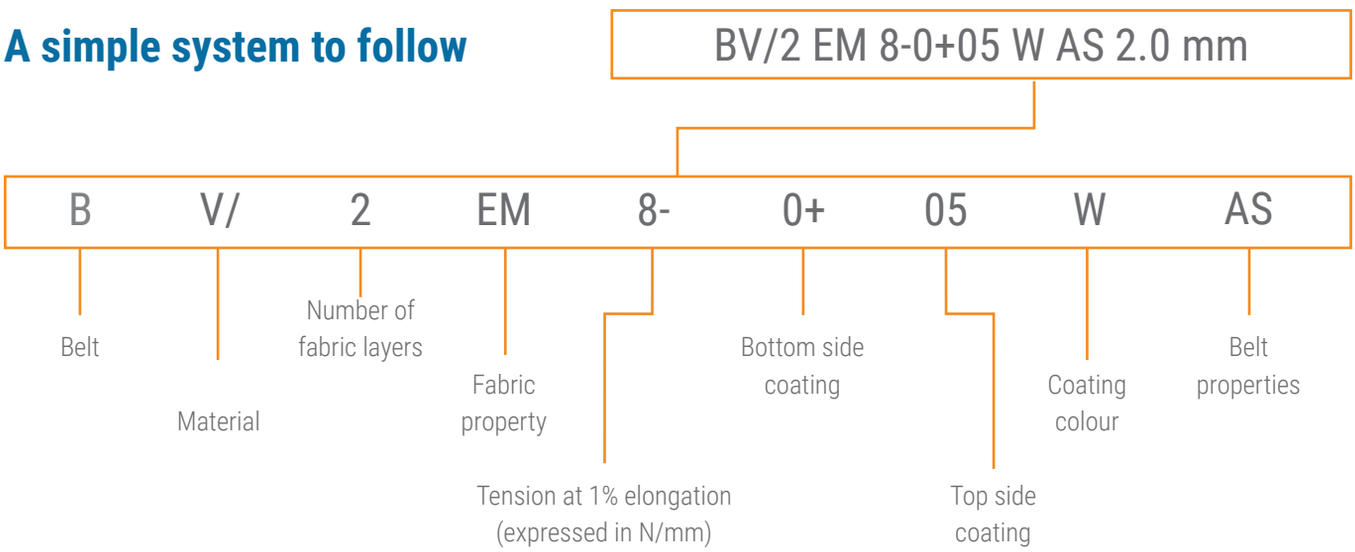
Food Industry

Today, key accounts like Kraft Heinz and Mars use INO belts to convey cookies, biscuits, crackers and chocolates. We ensure that all our food belts comply with EU 752/2017, EU 10/2011, EU 1935/2004 and FDA regulations as stated in our Declaration of Compliance.

Our newly launched polyether and high temperature resistant polyurethane series allow belts to work in more difficult environments where properties like anti-microbial, anti-hydrolysis and high temperature resistance are crucial in the success of belt functionality.

OUR NOMENCLATURE

A simple system to follow



Material

V	Polyvinyl chloride
U	Polyurethane
Sil	Silicon
H	Hytrel
P	Polyolefin
Fab	Fabric
Felt	Felt

Fabric property

E	Polyester
EM	Lateral stable
EF	Lateral flexible
EX	Lateral stable & low noise
ESM	Polyester spun & lateral stable
EC	Polyester/cotton mixed fabric
SW	Solid woven
ER	Lateral stable & extra rigid
EMK	Polyester & Aramid fabric

Bottom and top side coatings

0	Fabric
00	PU-impregnated fabric
0(U)	Interlayer PU
05	0.5 mm coating
S...	Embossing

Belt properties

F	Food grade
AS	Antistatic
FR	Flame retardant
OR	Oil- and grease-resistant
HP	High performance
M2	Matt finish
SM	Super matt finish
HT	High temperature resistant
AM	Anti-microbial & Anti-hydrolysis

Colour

	White (W)
	Black (BK)
	Apple green (AG)
	Dark green (DG)
	Sky blue (SB)
	Petrol blue (PB)
	Royal blue (RB)
	Brick red (BR)
	Beige
	Ivory (IV)
	Grey
	Transparent (TR)

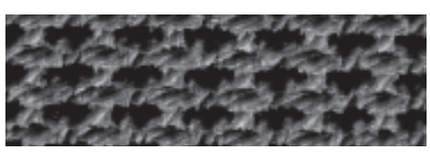
AVAILABLE EMBOSSINGS

SM Super Matt

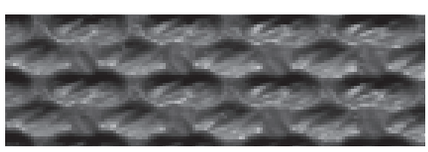
M2 Matt finish

M3 Rough Matt

S5 Fabric structure

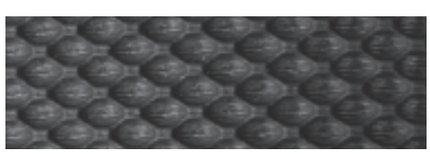


S6 Super grip



S7 Mini grip

S9 Snake skin



S10 Treadmills

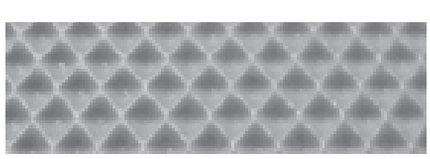
S12 Transverse groove

S13 Sawtooth

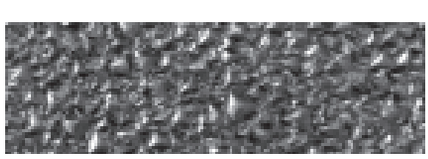
S18 Small diamond

S19 Medium diamond

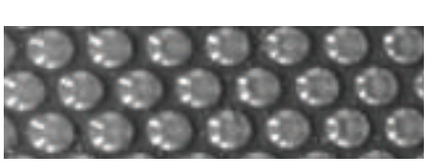
S20 Big square



S21 Fine diamond

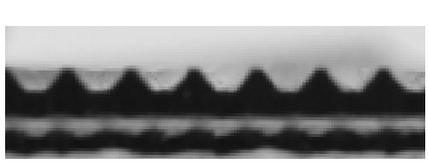


S22 Sandblast

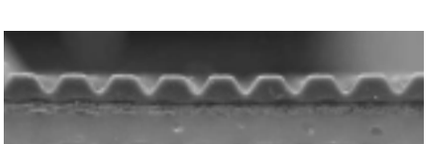


S23 Spots

S24 Basket weave

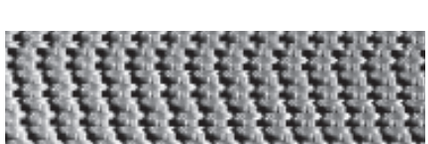


S32 Longitudinal



S32R Longitudinal

S33 Kit Kat



S42 Super grip wave

OUR PRODUCT OVERVIEW

Material category	Article code	Nomenclature	# of ply	Fabric feature	Tension strength at 1 % elongation (N/mm)	Bottom side coating	Bottom side colour	Top side coating	Top side profile
			Product Construction						
PU Fabric	0756W15C-SPT	BFab/2 EC 8-0+0(U) W 1.5 mm	2	EC	8	0		0	
	0756T13F	Bfab/2 EM 6-00+00(U) TR AS 1.3 mm	2	EM	6	00		00	
	0756B18F	BFab/2 EM 8-00+00(U) BK 1.8 mm	2	EM	8	00		00	
PU	0990S08M	BU/1 EM 4-00+03 SB M2 AS 0.8 mm	1	EM	4	00		03	Matt
	0990P08SM	BU/1 EM 4-00+03 PB SM AS 0.8 mm	1	EM	4	00		03	Super Matt
	0990W08G	BU/1 EM 4-00+03 W AS 0.8 mm	1	EM	4	00		03	Glossy
	0990W08M	BU/1 EM 4-00+03 W M2 AS 0.8 mm	1	EM	4	00		03	Matt
	0990W08M-no AS	BU/1 EM 4-00+03 W M2 0.8 mm	1	EM	4	00		03	Matt
	0990W08M-F	BU/1 EF 5-00+03 W M2 AS 0.8 mm	1	EF	5	00		03	Matt
	0990W11G	BU/1 EM 5-00+03 W AS 1.15 mm	1	EM	5	00		03	Glossy
	0990W11M	BU/1 EM 5-00+03 W M2 AS 1.15 mm	1	EM	5	00		03	Matt
	1690W12M	BU/2 EM 6-00+02 W M2 AS 1.25 mm	2	EM	6	00		02	Matt
	1690W12M-no AS	BU/2 EM 6-00+02 W M2 1.25 mm	2	EM	6	00		02	Matt
	1690S12M	BU/2 EM 6-00+02 SB M2 AS 1.25 mm	2	EM	6	00		02	Matt
	1690W15G	BU/2 EM 6-00+03 W AS 1.5 mm	2	EM	6	00		03	Glossy
	1690W15M	BU/2 EM 6-00+03 W M2 AS 1.5 mm	2	EM	6	00		03	Matt
	1690S15M	BU/2 EM 6-00+03 SB M2 AS 1.5 mm	2	EM	6	00		03	Matt
	0916D15M	BU/2 EM 8-00+03 DG M2 AS 1.5 mm	2	EM	8	00		03	Matt
	1690A15SM	BU/2 EM 8-00+03 AG SM AS 1.5 mm	2	EM	8	00		03	Super Matt
	1688W15M	BU/2 EM 8-00+03 W M2 AS 1.5 mm HR	2	EM	8	00		03	Matt
	1690W15M-F	BU/2 EF 8-00+03 W M2 AS 1.5 mm	2	EF	8	00		03	Matt
	1690S15M-F	BU/2 EF 8-00+03 SB M2 AS 1.5 mm	2	EF	8	00		03	Matt
	1690W17S21	BU/2 EM 6-00+S21 W AS 1.7 mm	2	EM	6	00		S21	S21
	1690S17S21	BU/2 EM 6-00+S21 SB AS 1.7 mm	2	EM	6	00		S21	S21
	1890P18M	BU/2 EM 8-00+05 PB M2 AS 1.8 mm	2	EM	8	00		05	Matt
	1690W20M	BU/2 EM 8-00+07 W M2 AS 2.0 mm	2	EM	8	00		07	Matt
	2302W20M	BU/2 EM 8-S21+03 W M2 2.0 mm	2	EM	8	S21		03	Matt
	2302S20M	BU/2 EM 8-S21+03 SB M2 2.0 mm	2	EM	8	S21		03	Matt
	1890P23M-ER	BU/2 ER 12-00+05 PB M2 AS 2.3 mm	2	ER	12	00		05	Matt
	1890W23M-ER	BU/2 ER 12-00+05 W M2 AS 2.3 mm	2	ER	12	00		05	Matt
	0916D23M-ER	BU/2 ER 12-00+05 DG M2 AS 2.3 mm	2	ER	12	00		05	Matt
	1890T25M	BU/2 EM 8-00+08 TR M2 AS 2.5 mm	2	EM	8	00		08	Matt
	1890P28S10	BU/2 EM 8-00+S10 PB AS 2.8 mm	2	EM	8	00		S10	S10
	1890W29S7	BU/2 EM 8-00+S7 W AS 2.9 mm	2	EM	8	00		S7	S7

* Standard width for PVC belts is 3,000 mm while the standard widths for PU belts are 2,000 and 3,000 mm.

Available items

15 manufacturing lines allow for great flexibility, which results in more than 1,000 possible types of INO Belt conveyor belts. The maximum width of the polyurethane belts is 4,200 mm and 3,000 mm for the PVC range.

Top side colour	Antistatic	Total thickness (mm)	Hardness as per DIN 53505 (Shore A)	Weight (kg/m²)	Permissible operating temperature (°C)	Min. Pulley (mm)	Min. Pulley Ø with back flex	Coefficient of friction against steel bottom face according to ISO 21182	REACH / ROHS	FDA	EC1935:2004 / EU No.10/2011	Flame retardant ISO 340	Trough suitable	Heat resistant (HR)	Anti-microbial & anti-hydrolysis	Conductive (Ω)
		Technical Data							Features							
		1.5		1.5	−20°C/+90°C	15	30	0.2	Yes	Yes	Yes		Yes			
	Yes	1.3		1.4	−20°C/+90°C	10	30	0.25	Yes	Yes	Yes					
		1.8		1.8	−20°C/+90°C	60	80	0.25	Yes							
	Yes	0.8	90	0.8	−20°C/+90°C	6	10	0.25	Yes	Yes	Yes					
	Yes	0.8	90	0.8	−20°C/+90°C	8	10	0.25	Yes							
	Yes	0.8	90	0.8	−20°C/+90°C	6	10	0.25	Yes	Yes	Yes					
	Yes	0.8	90	0.8	−20°C/+90°C	6	10	0.25	Yes	Yes	Yes					
		0.8	90	0.8	−20°C/+90°C	6	10	0.25	Yes	Yes	Yes					
	Yes	0.8	90	0.8	−20°C/+90°C	6	10	0.25	Yes	Yes	Yes		Yes			
	Yes	1.15	90	1.2	−20°C/+90°C	8	15	0.25	Yes	Yes	Yes					
	Yes	1.15	90	1.2	−20°C/+90°C	8	15	0.25	Yes	Yes	Yes					
	Yes	1.25	90	1.3	−20°C/+90°C	8	20	0.25	Yes	Yes	Yes					
		1.25	90	1.3	−20°C/+90°C	8	20	0.25	Yes	Yes	Yes					
	Yes	1.25	90	1.3	−20°C/+90°C	8	20	0.25	Yes	Yes	Yes					
	Yes	1.5	90	1.6	−20°C/+120°C	15	50	0.25	Yes	Yes	Yes					
	Yes	1.5	90	1.6	−20°C/+90°C	15	50	0.25	Yes	Yes	Yes					
	Yes	1.5	90	1.6	−20°C/+90°C	15	50	0.25	Yes	Yes	Yes					
	Yes	1.5	90	1.8	−20°C/+90°C	15	30	0.25	Yes	Yes	Yes					
	Yes	1.5	90	1.8	−20°C/+90°C	10	50	0.25	Yes							Yes
	Yes	1.5	90	1.8	−20°C/+120°C	15	50	0.25	Yes	Yes	Yes			Yes		
	Yes	1.5	90	1.6	−20°C/+90°C	15	50	0.25	Yes	Yes	Yes		Yes			
	Yes	1.5	90	1.6	−20°C/+90°C	15	50	0.25	Yes	Yes	Yes		Yes			
	Yes	1.7	90	1.7	−20°C/+90°C	20	50	0.25	Yes	Yes	Yes					
	Yes	1.7	90	1.7	−20°C/+90°C	20	50	0.25	Yes	Yes	Yes					
	Yes	1.8	90	2.1	−20°C/+90°C	30	60	0.25	Yes	Yes	Yes					
	Yes	2.0	90	2.2	−20°C/+90°C	40	60	0.25	Yes	Yes	Yes					
		2.0	90	2.4	−20°C/+90°C	40	70	0.4	Yes	Yes	Yes					
		2.0	90	2.4	−20°C/+90°C	40	70	0.4	Yes	Yes	Yes					
	Yes	2.3	90	2.7	−20°C/+90°C	60	80	0.25	Yes	Yes	Yes					
	Yes	2.3	90	2.7	−20°C/+90°C	60	80	0.25	Yes	Yes	Yes					
	Yes	2.3	90	2.7	−20°C/+90°C	60	80	0.25	Yes	Yes	Yes					
	Yes	2.5	90	3.0	−20°C/+90°C	80	120	0.25	Yes	Yes	Yes					
	Yes	2.8	90	3.4	−20°C/+90°C	60	80	0.25	Yes	Yes	Yes					
	Yes	2.9	90	3.2	−20°C/+90°C	60	80	0.25	Yes	Yes	Yes					

Material category	Article code	Nomenclature	# of ply	Fabric feature	Tension strength at 1 % elongation (N/mm)	Bottom side coating	Bottom side colour	Top side coating	Top side profile
			Product Construction						
PU	1890T30M	BU/2 EM 8-00+20 TR M2 AS 3.0 mm	2	EM	8	00		20	Matt
	1890B37M-PP	BU/3 EMK 45-0+13 BK M2 AS 3.7 mm	3	EMK	45	0		13	Matt
PU-Heavey Duty GBD Series	1890D33M-GBD	BU/3 EM 12-00+08 DG M2 AS 3.3 mm	3	EM	12	00		08	Matt
	1890D35S24-GBD	BU/3 EM 12-00+S24 DG AS 3.5 mm	3	EM	12	00		S24	S24
	1890D40M-GBD	BU/3 EM 18-00+20 DG M2 AS 4.0 mm	3	EM	18	00		20	Matt
	1890B50M-ER GBD	BU/3 ER 15-00+24 BK M2 AS 5.0 mm	3	ER	15	00		24	Matt
PU Frayless	1590S11S21	BU/1 ESM 4-00+S21 SB M2 AS 1.1 mm	1	ESM	4	00		S21	S21
	1592W15M-no AS	BU/2 ESM 6-00+03 W M2 1.5 mm	2	ESM	6	00		03	Matt
	1592S15M	BU/2 ESM 6-00+03 SB M2 AS 1.5 mm	2	ESM	6	00		03	Matt
PU Polyether	1708R13SM	BU/2 ESM 6-00+02 RB SM AS 1.3 mm AM	2	ESM	6	00	■	02	Super matt
	1708W30M-F	BU/2 EF 20-03+05 W M2 AS 3.0 mm AM	2	EF	20	03	□	05	Matt
PU-Printing Blanket	BD-20KT	BU/3 EM 20-00+04 BK M2 AS 2.6 mm	3	EM	20	00		04	Matt
	BD-65KT	BU/3 EMK 65-00+04 BK M2 AS 2.6 mm	3	EMK	65	00		04	Matt
Silicon	0211W15S5	BSil/2 EM 8-00+S5 W AS HT 1.5 mm	2	EM	8	00		S5	S5
	5230BR35	BSil/3 ESM 9-00+00 BR PU 3.5 mm HT	3	ESM	9	0		00	
	5230BR45	BSil/4 ESM 12-00+00 BR PU 4.5 mm HT	4	ESM	12	00	■	00	
Polyolefin-Tobacco	1747T11M-SW	BP/1 ESM 5-02+02 TR M2 AS 1.1 mm	1	ESM	5	02	▨	02	Matt
	1870T21M	BP/2 ESM 10-00+05 TR M2 AS 2.1 mm	2	ESM	10	0		05	Matt
	1870T25M	BP/2 ESM 10-00+05 TR M2 AS 2.5 mm	2	ESM	10	0		05	Matt
Hytrel ®-Tobacco	1747I08M-F Hytrel	BH/1 EF 3-02+02 IV M2 0.85 mm	1	EF	3	02	□	02	Matt
	1140I20M-Hytrel	BH/2 ESM 6-00+05 IV M2 AS 2.0 mm	2	ESM	6	00		05	Matt
	1140I30S7-Hytrel	BH/2 ESM 10-0+S7 IV AS 3.0 mm	2	ESM	10	0		S7	S7
	1140I45S33-Hytrel	BH/2 ESM 10-0+S33 IV AS 4.5 mm	2	ESM	10	0		S33	S33
PVC Fabric	0607T16F	BFab/2 EM 8-0+0(V) TR AS 1.6 mm	2	EM	8	0		0	
	0607W16C-F	Bfab/2 EC 8-0+0(V) W 1.6 mm	2	EC	8	0		0	
	0607W26F-DMU	BFab/2 EC 6-0+0(V) W 2.6 mm	2	EC	6	0	■	0	
PVC-Felt	0885W32F	Bfelt/2 EM 8-0+Felt W 3.2 mm	2	EM	8	0		Felt	Felt
	0885B37F-X	Bfelt/2 EX 10-0+Felt BK AS 3.7 mm	2	EX	10	0		Felt	Felt
PVC	0576A20G	BV/2 EM 8-0+05 AG AS 2.0 mm	2	EM	8	0		05	Glossy
	0576P20G	BV/2 EM 8-0+05 PB AS 2.0 mm	2	EM	8	0		05	Glossy
	0576B20M	BV/2 EM 8-0+05 BK M2 AS 2.0 mm	2	EM	8	0		05	Matt
	0576W20G	BV/2 EM 8-0+05 W AS 2.0 mm	2	EM	8	0		05	Glossy

* Standard width for PVC belts is 3,000 mm while the standard widths for PU belts are 2,000 and 3,000 mm.

Top side colour	Antistatic	Total thickness (mm)	Hardness as per DIN 53505 (Shore A)	Weight (kg/m²)	Permissible operating temperature (°C)	Min. Pulley (mm)	Min. Pulley Ø with back flex	Coefficient of friction against steel bottom face according to ISO 21182	REACH / ROHS	FDA	EC1935:2004 / EU No.10/2011	Flame retardant ISO 340	Trough suitable	Heat resistant (HR)	Anti-microbial & anti-hydrolysis	Conductive (Ω)
		Technical Data							Features							
	Yes	3.0	90	3.3	−20°C/+90°C	120	150	0.25	Yes	Yes	Yes					
	Yes	3.7	95	4.0	−20°C/+90°C	250	350	0.25	Yes							
	Yes	3.3	90	3.8	−20°C/+90°C	90	140	0.25	Yes							
	Yes	3.5	90	3.8	−20°C/+90°C	100	140	0.25	Yes							
	Yes	4.0	90	4.8	−20°C/+90°C	110	160	0.25	Yes							
	Yes	5.0	95	6.0	−20°C/+90°C	140	190	0.25	Yes							
	Yes	1.1	90	1.1	−20°C/+90°C	8	15	0.25	Yes	Yes	Yes					
		1.5	90	1.6	−20°C/+90°C	15	50	0.25	Yes	Yes	Yes					
	Yes	1.5	90	1.6	−20°C/+90°C	15	50	0.25	Yes	Yes	Yes					
	Yes	1.3	90	1.4	−30°C/+100°C	8	20	0.25	Yes	Yes	Yes				Yes	
		3.0	90	3.6	−30°C/+100°C	120	150	0.6	Yes	Yes	Yes		Yes		Yes	
	Yes	2.6	95	3.0	−20°C/+90°C	100	150	0.25	Yes							
	Yes	2.6	95	3.1	−20°C/+90°C	100	150	0.25	Yes							
	Yes	1.5	70	1.5	−20°C/+120°C	15	50	0.25	Yes	Yes	Yes			Yes		
		3.5		3.9	−20°C/+120°C	120	120	0.35	Yes					Yes		
		4.5		4.5	−20°C/+120°C	150	150	0.55	Yes					Yes		
	Yes	1.1	90	1.0	−25°C/+60°C	20	20	0.7	Yes	Yes						
	Yes	2.1	90	2.2	−25°C/+60°C	120	150	0.25	Yes	Yes						
	Yes	2.5	90	2.4	−25°C/+60°C	130	160	0.25	Yes	Yes						
		0.85	87	1.1	−10°C/+110°C	20	20	0.25	Yes	Yes			Yes			
	Yes	2.0	87	2.2	−10°C/+110°C	40	60	0.25	Yes	Yes						
	Yes	3.0	87	3.3	−10°C/+110°C	80	120	0.25	Yes	Yes						
	Yes	4.5	87	3.5	−10°C/+110°C	160	80	0.25	Yes	Yes						
	Yes	1.6		1.6	−10°C/+80°C	30	50	0.25		Yes						
		1.6		1.6	−10°C/+80°C	30	30	0.25		Yes			Yes			
		2.6		2.9	−10°C/+80°C	80	100	0.3		Yes			Yes			
		3.2		2.9	−10°C/+80°C	60	80	0.25		Yes						
	Yes	3.7		3.6	−10°C/+80°C	120	160	0.2								
	Yes	2.0	80	2.4	−10°C/+80°C	30	50	0.25								
	Yes	2.0	80	2.4	−10°C/+80°C	30	50	0.25								
	Yes	2.0	80	2.4	−10°C/+80°C	30	50	0.25								
	Yes	2.0	80	2.4	−10°C/+80°C	30	50	0.25		Yes						

Material category	Article code	Nomenclature	Product Construction # of ply	Fabric feature	Tension strength at 1 % elongation (N/mm)	Bottom side coating	Bottom side colour	Top side coating	Top side profile
PVC	0576B22M-X	BV/2 EX 10-0+05 BK M2 AS 2.2 mm	2	EX	10	0		05	Matt
	0576A24G	BV/2 EM 8-0+07 AG AS 2.4 mm	2	EM	8	0		07	Glossy
	0576P24G	BV/2 EM 8-0+07 PB AS 2.4 mm	2	EM	8	0		07	Glossy
	0576P25S24	BV/2 EM 8-0+S24 PB AS 2.5 mm	2	EM	8	0		S24	S24
	0576B25S10-X	BV/2 EX 10-0+S10 BK AS 2.5 mm	2	EX	10	0		S10	S10
	0576B26S24	BV/2 EM 8-0+S24 BK AS 2.6 mm	2	EM	8	0		S24	S24
	0405P28S32	BV/2 EM 8-0+S32 PB AS 2.8 mm	2	EM	8	0		S32	S32
	0405B30S32-X	BV/2 EX 10-0+S32 BK AS 3.0 mm	2	EX	10	0		S32	S32
	0090A30G	BV/2 EM 8-0+12 AG AS 3.0 mm	2	EM	8	0		12	Glossy
	0090W30G	BV/2 EM 8-0+12 W AS 3.0 mm	2	EM	8	0		12	Glossy
	0090B30RM-X	BV/2 EX 10-0+12 BK RM AS 3.0 mm	2	EX	10	0		12	Rough Mate
	0090DB30G-X	BV/2 EX 10-0+12 DB AS 3.0 mm	2	EX	10	0		12	Glossy
	3440A30G	BV/2 EM 8-S18+05 AG 3.0 mm	2	EM	8	S18		05	Glossy
	3440A30G-F	BV/2 EF 10-S18+05 AG 3.0 mm	2	EF	10	S18		05	Glossy
	3440B30G	BV/2 EM 8-S18+05 BK 3.0 mm	2	EM	8	S18		05	Glossy
	3440S30G	BV/2 EM 8-S18+05 SB 3.0 mm	2	EM	8	S18		05	Glossy
	0131P35M-X	BV/3 EX 15-0+05 PB M2 AS 3.5 mm	3	EX	15	0		05	Matt
	0131P40G	BV/3 EM 12-0+10 PB AS 4.0 mm	3	EM	12	0		10	Glossy
	0131A40G	BV/3 EM 12-0+10 AG AS 4.0 mm	3	EM	12	0		10	Glossy
	0131W40G	BV/3 EM 12-0+10 W AS 4.0 mm	3	EM	12	0		10	Glossy
	0131D45G-ER	BV/3 ER 15-0+15 DG AS 4.5 mm	3	ER	15	0		15	Glossy
	0458D45S42	BV/2 EM 8-0+S42 DG AS 4.5 mm	2	EM	8	0		S42	S42
	0458P50S6	BV/2 EM 8-0+S6 PB AS 5.0 mm	2	EM	8	0		S6	S6
	0131P50G	BV/3 EM 12-0+20 PB AS 5.0 mm	3	EM	12	0		20	Glossy
	0131B55M	BV/3 EM 12-0+25 BK M2 AS 5.5 mm	3	EM	12	0		25	Matt
	0458P60S6	BV/3 EM 12-0+S6 PB AS 6.0 mm	3	EM	12	0		S6	Glossy
PVC-Ceramic	PGD-P70S23	BV/3 EF 45-00+S23 PB 7 mm	3	EF	45	00		S23	S23
	PGD-P90S9	BV/4 EF 60-00+S9 PB 9 mm	4	EF	60	00		S9	S9
PVC FR (Airport)	0460B25M-X	BV/2 EX 10-0+07 BK M2 FR AS 2.5 mm	2	EX	10	0		07	Matt
	0812B28S32-X	BV/2 EX 10-0+S32 BK FR AS 2.8 mm	2	EX	10	0		S32	S32
	0812B30S10-F	BV/2 EF 10-0+S10 BK FR AS 3.0 mm	2	EF	10	0		S10	S10
	0455B45S42-X	BV/2 EX 10-0+S42 BK FR AS 4.5 mm	2	EX	10	0		S42	S42
	0525B75S20-X	BV/2 EX 10-0+S20 BK AS FR 7.5 mm	2	EX	10	0		S20	S20

Top side colour	Antistatic	Total thickness (mm)	Hardness as per DIN 53505 (Shore A)	Weight (kg/m²)	Permissible operating temperature (°C)	Min. Pulley (mm)	Min. Pulley Ø with back flex	Coefficient of friction against steel bottom face according to ISO 21182	REACH / ROHS	FDA	EC1935:2004 / EU No.10/2011	Flame retardant ISO 340	Trough suitable	Heat resistant (HR)	Anti-microbial & anti-hydrolysis	Conductive (Ω)
		Technical Data							Features							
	Yes	2.2	80	2.3	−10°C/+80°C	40	60	0.2								
	Yes	2.4	80	2.8	−10°C/+80°C	40	60	0.25								
	Yes	2.4	80	2.8	−10°C/+80°C	40	60	0.25								
	Yes	2.5	45	2.6	−10°C/+80°C	40	60	0.25								
	Yes	2.5	80	2.6	−10°C/+80°C	40	60	0.2								
	Yes	2.6	45	2.6	−10°C/+80°C	40	60	0.25								
	Yes	2.8	60	3.0	−10°C/+80°C	50	80	0.25								
	Yes	3.0	60	3.1	−10°C/+80°C	50	80	0.2								
	Yes	3.0	80	3.3	−10°C/+80°C	60	80	0.25								
	Yes	3.0	80	3.3	−10°C/+80°C	60	80	0.25		Yes						
	Yes	3.0	80	3.3	−10°C/+80°C	60	100	0.2								
	Yes	3.0	80	3.3	−10°C/+80°C	60	100	0.2								
		3.0	80	3.5	−10°C/+80°C	80	120	0.4								
		3.0	80	3.5	−10°C/+80°C	80	120	0.4					Yes			
		3.0	80	3.5	−10°C/+80°C	80	120	0.4								
		3.0	80	3.3	−10°C/+80°C	80	120	0.4		Yes						
	Yes	3.5	80	3.8	−10°C/+80°C	80	120	0.2								
	Yes	4.0	80	4.2	−10°C/+80°C	80	120	0.25								
	Yes	4.0	80	4.2	−10°C/+80°C	80	120	0.25								
	Yes	4.0	80	4.2	−10°C/+80°C	80	120	0.25		Yes						
	Yes	4.5	80	5.2	−10°C/+80°C	100	150	0.25								
	Yes	4.5	60	4.0	−10°C/+80°C	60	80	0.25								
	Yes	5.0	45	4.4	−10°C/+80°C	70	90	0.25								
	Yes	5.0	80	6	−10°C/+80°C	100	150	0.25								
	Yes	5.5	80	6.3	−10°C/+80°C	140	180	0.25								
	Yes	6.0	60	5.6	−10°C/+80°C	80	100	0.25								
		7.0	80	7.6	−10°C/+80°C	400	500	0.25								
		9.0	80	10.3	−10°C/+80°C	500	600	0.25								
	Yes	2.5	80	2.6	−10°C/+80°C	50	80	0.2				Yes				
	Yes	2.8	60	3.1	−10°C/+80°C	50	80	0.2				Yes				
	Yes	3.0	80	2.7	−10°C/+80°C	55	85	0.2				Yes				
	Yes	4.5	60	4.1	−10°C/+80°C	60	80	0.2				Yes				
	Yes	7.5	60	5.3	−10°C/+80°C	80	120	0.2				Yes				

Material category	Article code	Nomenclature	# of ply	Fabric feature	Tension strength at 1 % elongation (N/mm)	Bottom side coating	Bottom side colour	Top side coating	Top side profile
			Product Construction						
PVC–Oil Resistant	0320W20G	BVOR/2 EM 8-00+05 W 2.0 mm	2	EM	8	00		05	Glossy
	0320W24G	BVOR/2 EM 8-00+07 W 2.4 mm	2	EM	8	00		07	Glossy
	0320S24G	BVOR/2 EM 8-00+07 SB AS 2.4 mm	2	EM	8	00	■	07	Glossy
	0320W24S18	BVOR/2 EM 8-00+S18 W 2.4 mm	2	EM	8	00		S18	S18
	3350W30G-F	BVOR/2 EF 10-S18+05 W 3.0 mm	2	EF	10	S18	□	05	Glossy
	3350S30G	BVOR/2 EM 8-S18+05 SB 3.0 mm	2	EM	8	S18	■	05	Glossy
	3350S30G-F	BVOR/2 EF 10-S18+05 SB 3.0 mm	2	EF	10	S18	■	05	Glossy
	0320W45S13	BVOR/2 EM 8-00+S13 W 4.5 mm	2	EM	8	00		S13	S13
	Sugarbelt57	BVOR/3 EF 20-10+20 W 5.7 mm	3	EF	20	10	□	20	Glossy
PVK-Solid Woven	PVK 15/315 BK	BV/1 SW 18-00+00 (V) BK 3.15 mm	1	SW	18	00	■	00	
	PVK 18/360 BK	BV/1 SW 22-00+00 (V) BK 3.6 mm	1	SW	22	00	■	00	
	PVK 18/400 BK	BV/1 SW 24-00+00 (V) BK 4.0 mm	1	SW	24	00	■	00	

Compliance Explanation

Our belts used in the food industry are in compliance with EU Regulations and FDA while our belts used in general applications comply with REACH. Please see below for details.

EU Regulation (EC) 1935/2004 Regulation (EU) 10/2011 and amendments related to plastic material and articles intended to come in direct contact with foodstuff (pH > 4.5) as amended.

Regulation (EU) 752/2017 and amendments – Specific migration of heavy metal in food and food stimulant in plastic food contact material. The products meet the relevant requirements and are applicable to be in direct contact with – dry, aqueous, acidic, alcoholic and fatty or oily food types according to Annex III, Table 2 – up to 2 hours contact time at up to 70 Celsius

Testing of overall migration, specific migration and other applicable restrictions (maximum permitted quantity, primary aromatic amines, etc.) was performed according to this regulation as amended.

Food simulants and migration conditions used for migration tests:
B (3 % acetic acid) 2 hours. at 70°C
C (10 % Ethanol) 2 hours. at 70°C
D (olive oil) 2 hours. at 70°C

Top side colour	Antistatic	Total thickness (mm)	Hardness as per DIN 53505 (Shore A)	Weight (kg/m²)	Permissible operating temperature (°C)	Min. Pulley (mm)	Min. Pulley Ø with back flex	Coefficient of friction against steel bottom face according to ISO 21182	REACH / ROHS	FDA	EC1935:2004 / EU No.10/2011	Flame retardant ISO 340	Trough suitable	Heat resistant (HR)	Anti-microbial & anti-hydrolysis	Conductive (Ω)
		Technical Data										Features				
☐		2.0	70	2.4	−10°C/+80°C	40	60	0.25	Yes	Yes	Yes					
☐		2.4	70	2.5	−10°C/+80°C	50	70	0.25	Yes	Yes	Yes					
■	Yes	2.4	70	2.5	−10°C/+80°C	50	70	0.25	Yes	Yes	Yes					
☐		2.4	70	2.6	−10°C/+80°C	40	60	0.25	Yes	Yes	Yes					
☐		3.0	70	3.3	−10°C/+80°C	60	80	0.4	Yes	Yes	Yes		Yes			
■		3.0	70	3.3	−10°C/+80°C	60	80	0.4	Yes	Yes	Yes					
■		3.0	70	3.3	−10°C/+80°C	60	80	0.4	Yes	Yes	Yes		Yes			
☐		4.5	60	4.4	−10°C/+80°C	60	90	0.25	Yes	Yes	Yes					
☐	Yes	5.7	70	7.1	−10°C/+80°C	150	200	0.6	Yes	Yes	Yes		Yes			
■		3.15		3.3	−10°C/+80°C	90	90	0.3					Yes			
■		3.6		3.8	−10°C/+80°C	110	110	0.3					Yes			
■		4.0		4.2	−10°C/+80°C	130	130	0.3					Yes			

A FDA product is a product approved by the USA Food and Drug Administration, whose broad aim is to ensure safe food. Title 21 of the Code of Federal Regulations lists the substances permitted in food contact materials, stipulated by the executive Departments and Agencies of the USA Federal Government.

REACH stands for Registration, Evaluation and Authorization of Chemical substances in a central public database run by the European Chemicals Agency to minimize health and environmental risks associated with everyday chemicals used in the industries.

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