

PU CONVEYOR BELT



TOP characteristics

- Very long life and extremely flexible
- Outstanding manoeuvrability
- Excellent lay flat properties
- Approved for use in food processing in accordance with FDA/USDA and VO EC 1935/2004



Whether with a transparent or coloured coating or special impregnation of the polyester fabric – our high-quality PU conveyor belts are very durable and extremely flexible due to the special raw materials used in our , low-impact production process. Of course, they are also approved for the transportation of food in accordance with VO EC 1935/2004 and VO EU 10/2011.

Applications

- Cooling tunnel belt in the sweets, chocolate and bakery industry
- Automatic scales
- Sorting systems
- Packaging equipment

Materials used

- One or two polyester fabric plies

Joining methods:

- Finger splice
- Overlapped splicing
- Adhesive splice with special adhesive
- Stainless hook fasteners
- Plastic spiral fasteners

Special versions:

- Custom embossed company lettering, logos or neutral designs
- With a transparent or coloured coating or impregnation of the polyester fabric
- Anti-static due to the woven-in carbon fibre threads
- With micro-embossing (reduced friction coefficients)
- Laser-cut holes





PU CONVEYOR BELT – OVERVIEW

PU dimensions/ version	PU-A/1	PU-M/1	PU-M/2	PU-J/1	PU-J/2	PU-X/1	PU-G/1	PU-G/2 AS 2363	PU-W/1	PU-HA/1	PU-HA/2
Fabric	Multifile warp threads (RD) and monofile PES weft threads (TD)	Multifile warp threads (RD) and monofile PES weft threads (TD)	Multifile warp threads (RD) and monofile PES weft threads (TD)	Multifile warp threads (RD) and monofile PES weft threads (TD)	Multifile warp threads (RD) and monofile PES weft threads (TD)	Multifile warp threads (RD) and monofile PES weft threads (TD), carbon fibre antistatic threads	Multifile warp threads (RD) and monofile PES weft (TD)	Multifile warp threads (RD) and monofile PES weft threads (TD), carbon fibre antistatic threads	Multifile warp threads (RD) and monofile PES weft threads (TD), carbon fibre antistatic threads	Multifile warp threads (RD) and monofile PES weft threads (TD), carbon fibre antistatic threads	Multifile warp threads (RD) and monofile PES weft threads (TD), carbon fibre antistatic threads
Number of plies	1	1	2	1	2	1	1	2	1	1	2
Colour	Light green	Ochre	Blue	White							
Material thickness [mm]	0.60	0.70	1.20	0.67	1.20	0.75	0.70	1.30	1.15	0.70	1.30
Coating of the carrying side	PU impregnation	Glossy transparent polyurethane	Glossy transparent polyurethane	Glossy transparent polyurethane	Glossy transparent polyurethane	Glossy transparent polyurethane	Glossy polyurethane	Glossy polyurethane	Glossy polyurethane	Polyurethane with micro-embossing (matt finish)	Polyurethane with micro-embossing (matt finish)
Coating of the running side						PU impregnation					
Weight [g/m²]	450	620	1 250	700	1 400	900	700	1 450	1 250	760	1 450
Max. product temperature [° C]						-20/+95					
Max. operating temperature [° C]						-20/+60					
1 % stretch with N/mm belt tension	3	3	6	3	6	4	5	10	8	5	10
Heat transfer coefficient [W/m²]	180	172	101	172	101	172	137	125	125		
Deflection radius [mm]	1.5	2.5	7.5	2.5	7.5	2.5	2.5	5	2.5	4	6
Anti-static	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Embossable	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Approved for use in food processing					VO EC 1935/2004, VO EC 10/2011						
Applications	Transporting small and medium-sized products, cooling tunnels	Transporting small and medium-sized products, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems	Transporting small and medium-sized products, cooling tunnels, packaging equipment, feeder and discharge belts, feeding and sorting systems, stowage transport
Special features	Outstanding cooling properties, very small bends	Excellent cooling properties; outstanding resistance to oil and fat, high level of lateral stability	Excellent cooling properties; outstanding resistance to oil and fat, high level of lateral stability	Excellent cooling properties; outstanding resistance to oil and fat, high level of lateral stability	Excellent cooling properties; outstanding resistance to oil and fat, high level of lateral stability	Excellent cooling properties; outstanding resistance to oil and fat, high level of lateral stability	Good cooling properties, resistance to oil and fat	Good cooling properties, resistance to oil and fat	High tensile force, resistance to oil and fat, high level of lateral stability	Surface with low friction coefficient, resistant to oil and fat	Surface with low friction coefficient, resistant to oil and fat

Legend:

RD = Running direction
TD = Transverse direction
PES = Polyester
PU = Polyurethane

Special processes require special belts:

Ask us if you can't find what you're looking for in our standard product range ...