

TPU processing belts for nonwoven fiber transport

XVT-2346, XVT-2347 & XVT-2348



Nonwoven production lines are the backbone of hygiene, medical, and technical textile manufacturing, requiring precise, stable, and contamination-free material handling. From carding and web drafting to needle punching or hydro-entanglement, belts must support high speeds, wide working widths, and delicate fiber structures while ensuring consistent performance. However, these applications often suffer from fiber accumulation due to static, belt width limitations, and material concerns related to plasticizers – especially for hygiene and medical products.

The XVT TPU processing belt range has been developed to address these challenges. They combine antistatic properties, seamless widths up to 4,000 mm, and plasticizer-free TPU materials to support stable, clean, and efficient conveying throughout the nonwoven production line.

Key benefits include:

- **Reduced static build-up**
- **Improved product quality**
- **Wide-format and high-speed production**
- **Reduced downtime**

Designed for performance and production efficiency

The XVT TPU belt range is engineered for horizontal, incline, decline, and transfer applications in dry-laid nonwoven processes. Different surface structures allow precise adaptation to the conveying task, ensuring optimal fiber control without damaging the web.



Antistatic TPU conveying surfaces

Designed to minimize fiber accumulation caused by static electricity, supporting clean operation even at high line speeds.



Surface structures tailored to the application

XVT-2346: smooth surface for gentle web transport
XVT-2347: quadrangular surface for controlled grip
XVT-2348: sand finish for stable conveying under higher loads.



Seamless width up to 4,000 mm

Manufactured without longitudinal joints within the usable width to reduce the risk of fiber build-up and marks on the web.



Plasticizer-free material concept

TPU construction without plasticizers supports compliance with increasing hygiene and medical industry requirements.



Fast, reliable joining and serviceability

Adhesive-free Flexproof joining allows efficient on-site installation and minimizes production downtime with support from Habasit's global service network.



Technical data

Product	TPU surface /grip	Typical nonwoven application	Belt thickness	Tensile strength (k1% static)	Min. pulley diameter	Antistatic
XVT-2346	Smooth TPU – adhesive	Card feeding – gentle transfer	1.5 mm 0.059 in	9 N/mm 51 lbf/in	20 mm 0.79 in	Yes
XVT-2347	Quadrillé TPU – medium-adhesive	Card feeding – controlled transfer	1.6 mm 0.063 in	9 N/mm 51 lbf/in	20 mm 0.79 in	Yes
XVT-2348	Sand finish TPU – medium-adhesive	Forming, spreading – bunker belts	2.1 mm 0.083 in	16 N/mm 91 lbf/in	40 mm 1.57 in	Yes

Scan the code for
Product Data Sheet



XVT-2346



XVT-2347



XVT-2348

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