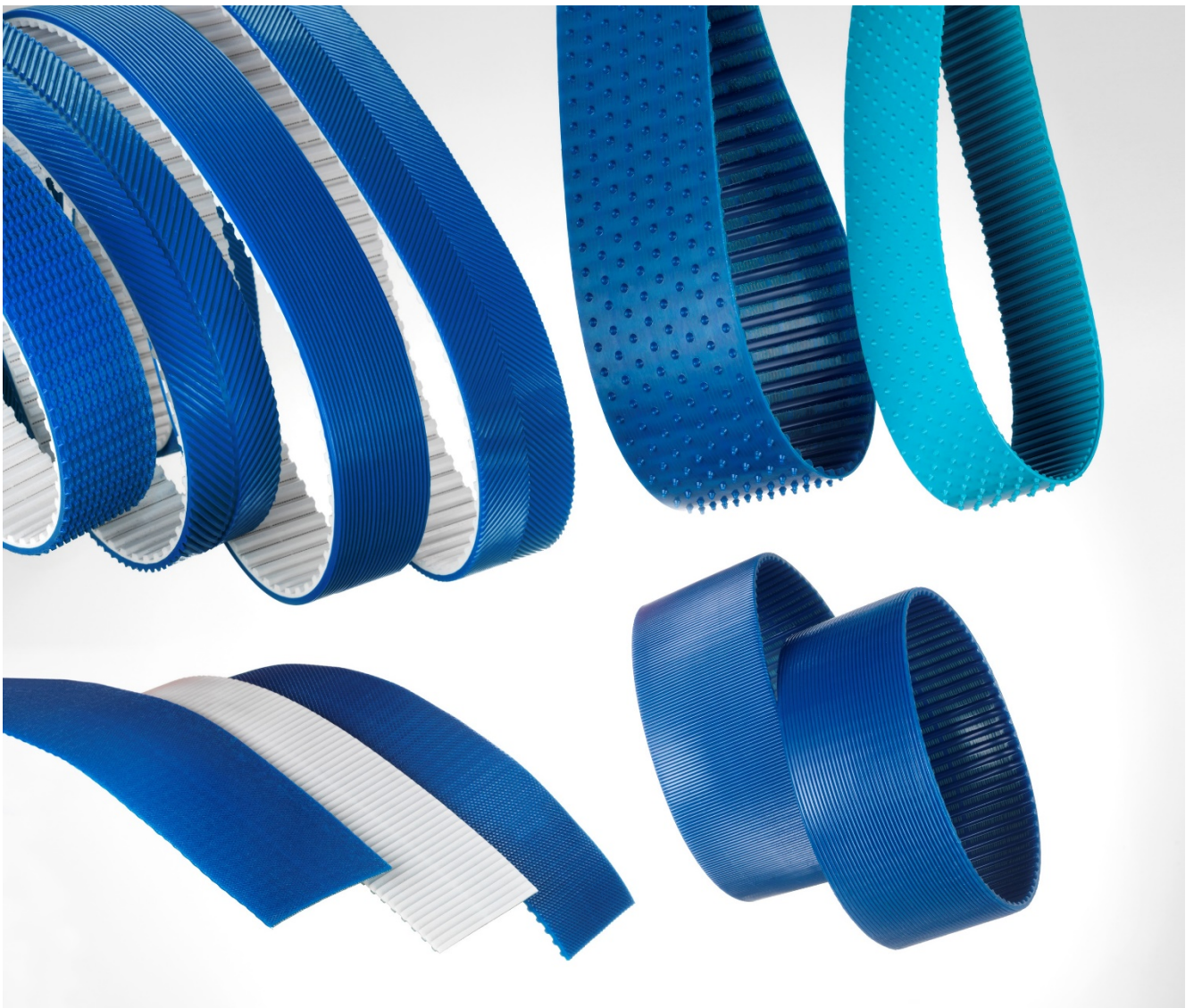


**pflug.**



*Driving gear and conveyor  
technology  
Profiled belts  
Continuous round belts  
turned and plaited*

# Embossed PU toothed belts



# Embossed PU toothed belts

Depending on the thickness of the back of the belt, many structures can be embossed directly into the belt. This offers the key advantage that the transport structure consists of exactly the same material and does not require additional coating.

The minimum disk diameter does not change because of the application of the structure.

Particularly suitable for this are co-extruded belts or high-back (HB) types which are produced from the start with a thicker backing to the belt. Thus, a wide variety of belts can be made from one basic type. Particularly in the food industry, the same basic design of belt can be used for all sorts of different tasks.

Most patterns can be embossed homogeneously without joins or transitions. New patterns can be created at short notice according to the customer's requirements, cost-effectively and individually tailored to the specific demands.

## Advantages

- Homogeneous belt material
- Without additional coating layer
- Minimum disk diameter of the base belt is maintained
- Shock-free embossing of most patterns
- Individual patterns can be produced for small batches

## Belt profiles and structures

	T5 EU/FDA HB	T10 EU/FDA HB	T5 HB	T10 HB	WR5 white/blue EU/FDA	WR10 white/blue EU/FDA	AT10	AT10 HB	HTD 8M	HTD 8M HB	Additional coated 35 Sh.A – 90 Sh.A 2 mm
Longitudinal	X	X	X	X	X	X	X	X	X	X	X
Longitudinal PJ		X		X				X		X	X
Cross groove	X	X	X	X	X	X	X	X	X	X	X
Saw tooth	X	X	X	X	X	X	X	X	X	X	X
Fabric pattern	X	X	X	X	X	X	X	X	X	X	X
Negative pyramid	X	X	X	X	X	X	X	X	X	X	X
Spikes	X	X	X	X	X	X	X	X	X	X	X
Studs	X	X	X	X	X			X		X	X
Super grip				X				X		X	X
Herringbone 2,5	X	X	X	X	X			X		X	X
Herringbone 3,5		X		X				X		X	X
Herringbone 5				X				X		X	X

The herringbone patterns can be embossed with or without overflow channels.

## Back coatings

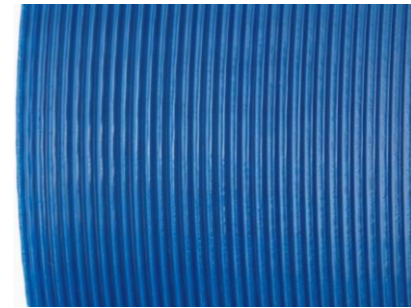
Typ	Adhesion	Friction coefficient <sup>1</sup> $\mu$ to V2A <u>grinded</u> steel	temperature-resistant °C	Abrasion mm <sup>3</sup> DIN ISO 4649-A	Tear growth resistance N/mm DIN ISO 34-1Bb
35 Sh. signal grey.	very high	0,85 $\mu$	-20°C - +65°C	165	30
45 Sh.A grey white	very high	0,80 $\mu$	-20°C - +65°C	39	42
60 Sh.A ultramarine, EU/FDA	very high	0,70 $\mu$	-30°C - +70°C	44	41
70 Sh.A sapphire blue, EU/FDA	very high	0,65 $\mu$	-30°C - +80°C	45	45
75 Sh.A sky blue, EU/FDA	high	0,60 $\mu$	-20°C - +80°C	30	55
80 Sh.A transparent, EU/FDA	high	0,55 $\mu$	-20°C - +80°C	25	70
85 Sh.A ultramarine, EU/FDA	average	0,55 $\mu$	-20°C - +80°C	25	70
85 Sh.A black, antistatisch <sup>2</sup>	average	0,55 $\mu$	-20°C - +80°C	54	65
90 Sh.A white, EU/FDA	low	0,45 $\mu$	-15°C - +85°C	25	85

The EU/FDA-compatible types are highly resistant to hydrolysis, cold and microbes and thereby especially suitable for the use in wet areas.

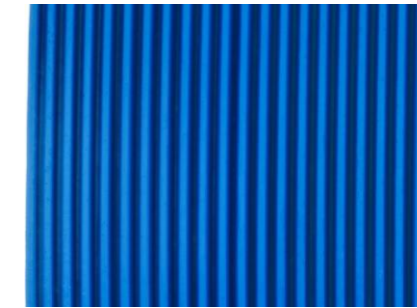
<sup>1</sup> According to Pflug test specification SPPN 91.001

<sup>2</sup> Tested according to DIN EN 61340-2-3. Volume resistance [W] approx. 10<sup>4</sup>. Specifications may vary depending on the production batch.

## Embossing structures



**Longitudinal**  
from 310 mm / max. wide: 50 mm



**Longitudinal PJ**  
from 310 mm / max. wide: 85 mm



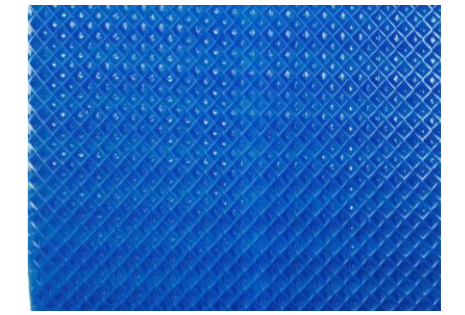
**Cross groove**  
from 310 mm / max. wide: 50 mm



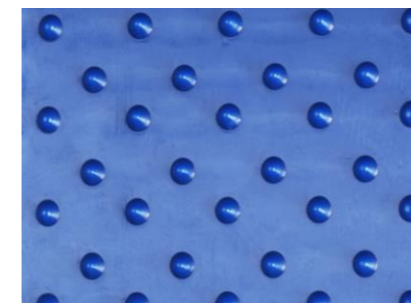
**Saw tooth**  
from 310 mm / max. wide: 50 mm



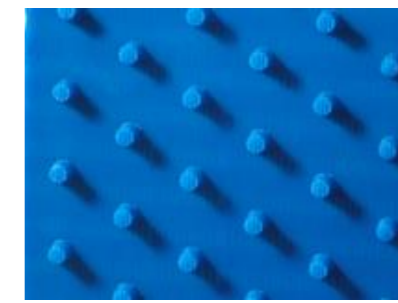
**Fabric pattern**  
from 310 mm / max. wide: 50 mm



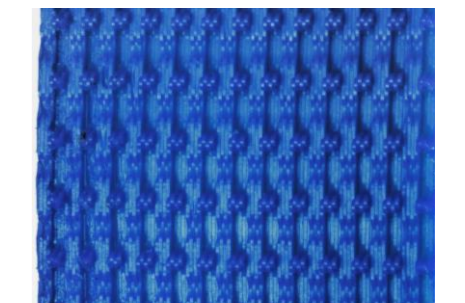
**Negative pyramid**  
from 310 mm / max. wide: 50 mm



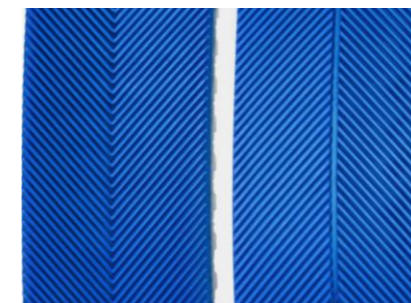
**Spikes**  
from 1000 mm / max. wide: 100 mm



**Studs**  
from 1000 mm / max. wide: 100 mm



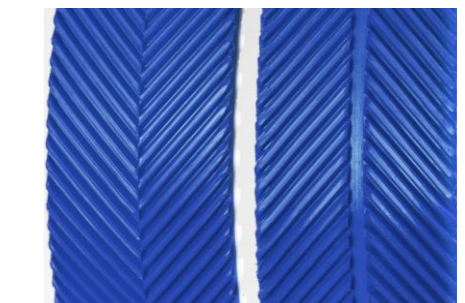
**Super grip**  
from 1100 mm / max. wide: 65 mm



**Herringbone 2,5**  
from 1000 mm / max. wide: 50 mm



**Herringbone 3,5**  
from 1000 mm / max. wide: 50 mm

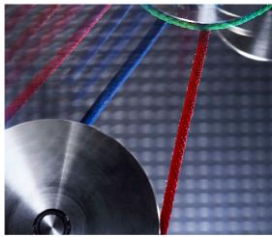


**Herringbone 5**  
from 1000 mm / max. wide: 50 mm

Minimum length for AT10 profiles is 380 mm, for HTD8M 376 mm.

Other pattern structures and widths on request.

**Company profile**



**Testing Service**



**Welded timing belts  
in short lengths**



**Round belts for  
heat-setting machines**



**Endless injected round belts**



**Endless turned round belts**



**Endless plaited round belts**



**Hooked belts**



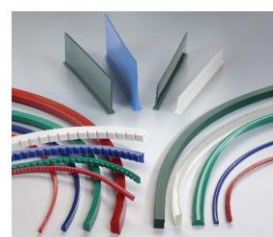
**PU round- and profile belts**



**PU profile belts and  
special profiles**



**PU tracking guides, cleats  
and guides**

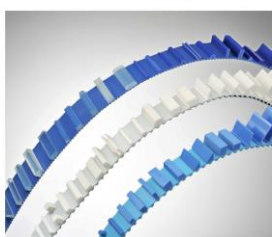


**Food line**

Types for the food industry compliant to EU/FDA



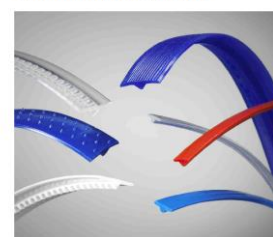
**PU cleats and block profiles**



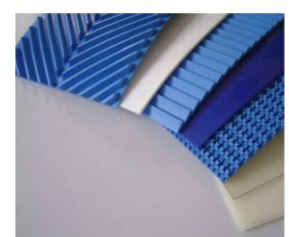
**PU Poly-V belts**



**PU-V-guide belts  
compliant to EU/FDA**



**PU coatings**



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