**Technical datasheet** 

## **PU Linear AT10 Aramid NT**

Article code: TBPU000074



General information	
Productgroup	Timing belts, PU Linear
Industry segment	General industry; Container & packaging; Wood: Panel board
Main product feature	Low friction tooth side, Low noise, Positive drive, Wear resistant

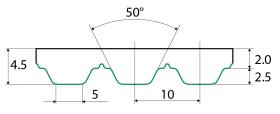
Belt construction		
Tension member		aramid
Material	body	Polyurethane
Surface	tooth side	Polyamide fabric
	back side	Polyurethane

Characteristics		
Food Grade (FG)	no	
Antistatic (AS)	no	
Oil & Fat resistance	yes	

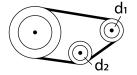
Technical data						
Tooth	profile		AT10			
	pitch		10	mm	0.39	in.
Hardness body material	ISO 868		92A	Shore		
Belt thickness	total		4.5	mm	0.18	in.
Belt weight			6.4	kg/m²	1.31	lbs/ft²
Coefficient of friction	tooth side to steel	dynamic	0,3			
Operating temperature	continuous	from / to	-10 / 80	°C	14 / 176	°F
Minimum pulley diameter	A) without counter flexing	number of teeth, t1	15			
		d1	45.9	mm	1.81	in.
		d2	50	mm	1.97	in.
	B) with counter flexing	number of teeth, t1	25			
		d1	77.73	mm	3.06	in.
		d2	120	mm	4.72	in.
Belt width	maximum		150	mm	5.91	in.
Endless length	minimum		500	mm	19.69	in.
Manufacturing length	standard		100000	mm	328.08	ft.

## Reference images

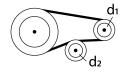
Side view



A) without counter flexing



B) with counter flexing



## **Fabrication**

This information on the fabrication options is general, please contact Ammeraal Beltech for the specific fabrication possibilities of the timing belt of your choice.

Open end, prepared splice, spliced endless with mechanical fastener or a pin joint fastener.

Cleats welded or mechanically attached, metal teeth, guides welded or glued.

Covers can be welded, glued, coated or vulkanized onto the back side of the timing belt.

Thermoplastic covers can be embossed. Perforations, lateral and logitudinal slots, lateral and longitudinal profiles.

## **Additional Information**

Tooth profile according to standard: metric ISO 17396, imperial ISO 5296-1, curvilinear ISO 13050, depending on the belt type.

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

Consult our specialists for further information like technical calculations. Instructions regarding joining, storage & maintenance and tracking & tensioning.

Allow. tensile load Linear open end & Torque [N]	Allow. tensile load Linear welded endless [N]		Spring force [N]
			Ī
	Specific power [W/mm]		
<u></u>			1
	Linear open end & Torque [N]	Linear open end & Torque [N]  & Torque [N]  Specific tooth force  Linear welded endless [N]	Linear open end & Torque [N] [N]  Specific tooth force   Specific power [W/mm]

Standard