Technical datasheet

PU Moulded T10 -1080 Steel

Article code: TBUM000149

General information

Productgroup	Timing belts, PU Moulded
Industry segment	General industry; Container & packaging; Wood: Panel board
Main product feature	Positive drive, Non-marking, Wear resistant

Belt construction

Tension member		steel
Material	**body**	Polyurethane
Surface	**tooth side**	Polyurethane
	back side	Polyurethane

Characteristics

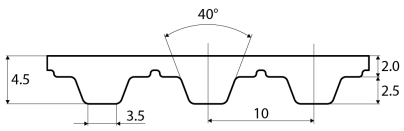
Food Grade (FG)	no
Antistatic (AS)	no
Oil & Fat resistance	yes

Technical data

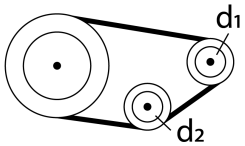
Tooth	profile		T10			
	pitch		10	mm	0.39	in.
Hardness body material	ISO 868		85A	Shore		
Belt thickness			4.5	mm	0.18	in.
Belt weight			4.8	kg/m²	0.98	lbs/ft²
Coefficient of friction	tooth side to steel	dynamic	0,5			
Operating temperature	continuous	from / to	-30 / 80	°C	-22 / 176	°F
Minimum pulley diameter	A) without counter flexing	number of teeth, t1	12			
		d1	36.35	mm	1.43	in.
		d2	60	mm	2.36	in.
	B) with counter flexing	number of teeth, t1	20			
		d1	61.81	mm	2.43	in.
		d2	60	mm	2.36	in.
Belt width	maximum		400	mm	15.75	in.
Belt length			1080	mm	42.52	in.

Reference images

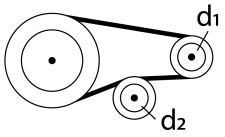
Side view



A) without counter flexing



B) with counter flexing



Fabrication

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

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.

Standard