# **Technical Datasheet**

## Article Number PDR-T25 DB LT

PDR-T25 DB LT is a FDA, EC10/2011 and USDA approved positively driven belt, reinforced with aramid tensile members. The belt does not fray and has minimal stretch, which reduces maintenance and increases belt life.

Technical Data						
Material	TPU (Polyether)					
Anti-hydrolysis	$\checkmark$					
Anti-microbial	$\checkmark$					
Color	Dark Blue					
Base Belt Thickness	2.5 mm					
Total Belt Thickness	6.1 mm					
Profile	Matt					
Tensile Strength	16 N/mm					
Min. Pulley Ø	46 mm					
Available Sprockets	6, 8, 10, 12, 14					
Aramid Cords Spacing	$\approx$ 10 mm					
Temperature Range	-40°C to +90°C					
Weight	3.6 kg/m <sup>2</sup>					
Coefficient of Friction (Steel)						
wet	0.6 ~ 0.8					
dry	0.5 ~ 0.7					
Hardness (Shore A)	92					

### Installation

The belt is intended to run without tension. In case of tensioning, install the slack belt and tension until running smoothly. Do not tension more than 0.1%.

Production Data					
Standard Length	80 m				
Max. Width	1,420 mm				
Certification					
FDA	$\checkmark$				
USDA	$\checkmark$				
EU 10/2011	$\checkmark$				

Accessories available	
Cleats	High frequency
Sidewalls	High frequency; hot air
V-guides	High frequency; hot air
Jointing Method	Butt Joint

Properties		
Trough suitable	$\checkmark$	
Flat Conveyor	-	
Positive Drive	$\checkmark$	
Wet (Hot and Cold)		
Environment	$\checkmark$	
Oily Environment	$\checkmark$	
Extreme Temp.	$\checkmark$	
Heavy Duty	-	



The information provided in this datasheet contains a general desccription of the performance characteristics of the products concerned. The actual products may not always have these characteristics as described and in particular, these may change as a result of further developments of the products. The provision of this information is not intended to have and will not have legal effect. An obligation to deliver products having particular characteristics shall only exist if expressed and agreed upon in the terms of the contract.



## **Sprocket Datasheet**

## Article Number PDR-T25 SP

Technical	Data		Applicable Belt Material at Temperature							
Sprocket S	izing	<0°C 0°C - 12°C >		>12°C						
Number of Teeth	OD (mm)	SB/W	DB	DB LT	SB/W	DB	DB LT	SB/W	DB	DB LT
6	46	$\diamond$	$\diamond$	*	$\diamond$	$\diamond$	•	$\diamond$	*	•
8	62	$\diamond$	$\diamond$	•	$\diamond$	*	•	$\diamond$	•	•
10	78	$\diamond$	*	•	$\diamond$	•	•	*	•	•
12	94	$\diamond$	•	•	*	•	•	•	•	•
14	110	*	•	•	•	•	•	•	•	•

♦ Not suitable
♦ Recommended

### Sprocket Placement

Belts with light or standard loads can be driven with one sprocket each 100 mm. For heavier loads or the use of a scraper, increase the amount of sprockets on the drive shaft. Always ensure that the belt edges are supported by sprockets in order to improve belt life time.

#### Sprocket Sizes Depending on Temperature

The working temperature will have an effect on the pulley size of the chosen belt material. Monolithic reinforced belts do get increasingly stiff in cold environments, whereas the polyether-TPU and special low temperature materials can counter this effect. Do consult with us about your application and when intending to run in extreme temperatures, our team will be able to recommend a suitable setup or product for you.





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