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.

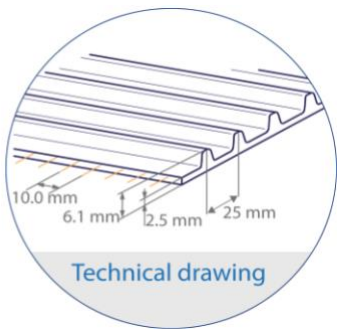
Technical Data	
Material	TPU (Polyether)
Anti-hydrolysis	✓
Anti-microbial	✓
Color	Dark Blue
Base Belt Thickness	2.5 mm
Total Belt Thickness	6.1 mm
Profile	Matt
Tensile Strength	16 N/mm
Min. Pulley Ø	46 mm
Available Sprockets	6, 8, 10, 12, 14
Aramid Cords Spacing	≈ 10 mm
Temperature Range	-40°C to +90°C
Weight	3.6 kg/m²
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	✓
USDA	✓
EU 10/2011	✓

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

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



Sprocket Datasheet

Article Number

PDR-T25 SP

Technical Data		Applicable Belt Material at Temperature								
Sprocket Sizing			<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	◇	◇	❖	◇	◇	◆	◇	❖	◆
8	62	◇	◇	◆	◇	❖	◆	◇	◆	◆
10	78	◇	❖	◆	◇	◆	◆	❖	◆	◆
12	94	◇	◆	◆	❖	◆	◆	◆	◆	◆
14	110	❖	◆	◆	◆	◆	◆	◆	◆	◆

◇ Not suitable	❖ 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.