

# TECHNICAL DATASHEET

## ON-DEMAND MANUFACTURING 1PURXK25MAT/EW

Conveyor belt TPU Polyurethane BLUE  
Complies with EU regulations for conveying foodstuff

### DESCRIPTION

<b>1</b>	1-ply polyester fabric
<b>PUR</b>	TPU Polyurethane
<b>XK</b>	Colour: dark blue RAL 5010
<b>25</b>	Top cover thickness: 0,25 mm
<b>MAT</b>	Matte finish
<b>E</b>	80 N/mm fabric, rigid in weft
<b>W</b>	Impregnated bottomside

### MAIN TECHNICAL DATA

**Top cover:** Hardness 85 ShA Smooth, matte

**Total thickness:** 0,75 mm  $\pm 0,1$  mm per ply

**Weight per m<sup>2</sup>:** 800 g  $\pm 10\%$

**Manufacturing width:** 2 000 mm

**Product temperature:** -40°C to +90°C

**Ambient temperature:** -25°C to +60°C

**Type of support:** Slider bed -

**Coefficient of friction (on steel slider bed):** 0,20  $\pm 20\%$

### MECHANICAL STRENGTHS

Tolerances: -10% +20%

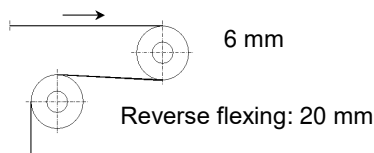
**Tensile strength:** 60 N/mm

**Tensile force for 1% elongation (k1%):** 5 N/mm

**Maximum working tension:** 8 N/mm

### MINIMUM PULLEY DIAMETERS

(at 20°C ambient temperature)



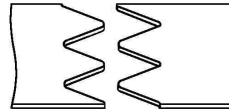
Working conditions:

- from 0°C to +8°C: add +50% on min. pulley diameter
- from -25°C to 0°C: add +100% on min. pulley diameter

The minimum pulley diameter is not related to the diameter needed to achieve a friction drive.

### SPLICING OPTIONS

DS  
Round finger single  
splice 50 x 20 mm



### PRESS SETTINGS

*These recommendations may vary according to the equipment and press heating system.*

Top heating platen ( $\pm 10^\circ\text{C}$ ): 155°C

Bottom heating platen ( $\pm 10^\circ\text{C}$ ): 145°C

Welding Time ( $\pm 1$  min): 1 min

Pressure ( $\pm 0,5$  bar) : 1,5 bar

Reveyron does not recommend using foil for splicing.

### FASTENERS / LACING

### BELT FABRICATION

None

These data may change. The client remains liable for the proper choice of the belt material.  
Reveyron cannot be held responsible for any damage caused by improper use of the belt material.

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