

# TECHNICAL DATASHEET

## ON-DEMAND MANUFACTURING 2PUR0N/LCW

Conveyor belt TPU Polyurethane **BLACK INNER PLY**  
Does not comply with EU regulations for conveying foodstuff

### DESCRIPTION

<b>2</b>	2-ply polyester fabric
<b>PUR</b>	TPU Polyurethane
<b>0</b>	Grey aspect
<b>N</b>	Black inner ply
<b>LC</b>	115 N/mm fabric, rigid in weft, antistatic
<b>W</b>	Impregnated bottomside

### MAIN TECHNICAL DATA

**Top cover:** Impregnated fabric

**Total thickness:** 1,25 mm  $\pm 0,1$  mm per ply

**Weight per m<sup>2</sup>:** 1 300 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%

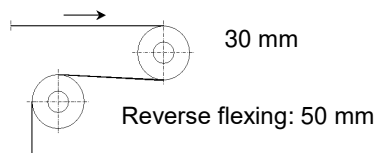
**Tensile strength:** 170 N/mm

**Tensile force for 1% elongation (k1%):** 11 N/mm

**Maximum working tension:** 20 N/mm

### MINIMUM PULLEY DIAMETERS

(at 20°C ambient temperature)



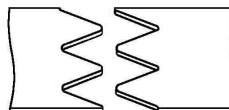
Working conditions:

- 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



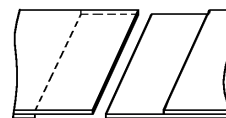
**DS/DEC**  
Round finger overlapped  
splice



**DSP**  
Narrow single finger  
splice 70 x 10 mm



**SF/PE**  
Straight or Diagonal  
single overlap splice



### PRESS SETTINGS

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

Top heating platen ( $\pm 10^\circ\text{C}$ ): 150°C

Bottom heating platen ( $\pm 10^\circ\text{C}$ ): 150°C

Welding Time ( $\pm 1$  min): 2 min

Pressure ( $\pm 0,5$  bar) : 1,8 bar

Reveyron does not recommend using foil for splicing.

### FASTENERS / LACING

Securi-P1 (inox, flat wires) - SL00 (inox, self-lock) -

### BELT FABRICATION

This belt material can be fitted with : V-guides /

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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