

# TECHNICAL DATASHEET

## ON-DEMAND MANUFACTURING 1PURX40HR/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>X</b>   | Colour: blue RAL 5015         |
| <b>40</b>  | Top cover thickness: 0,40 mm  |
| <b>HR</b>  | "Rice grain" positive pattern |
| <b>E</b>   | 90 N/mm fabric, rigid in weft |
| <b>W</b>   | Impregnated bottomside        |

### MAIN TECHNICAL DATA

**Top cover:** Hardness 85 ShA [HR] "Rice grain" pattern

**Total thickness:** 0,80 mm  $\pm 0,1$  mm per ply

**Weight per m<sup>2</sup>:** 790 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%*

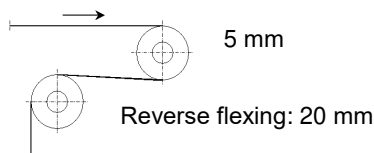
**Tensile strength:** 60 N/mm

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

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

### MINIMUM PULLEY DIAMETERS

(at 20°C ambient temperature)



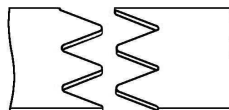
Working conditions:

- 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



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



### 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): 1 min

Pressure ( $\pm 0,5$  bar) : 2,0 bar

Reveyron does not recommend using foil for splicing.

### FASTENERS / LACING

SL00 (inox, self-lock) -

### 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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