

TECHNICAL DATASHEET

ON-DEMAND MANUFACTURING 3PURX30H/5C

Conveyor belt TPU Polyurethane CLEAR
Does not comply with EU regulations for conveying foodstuff

DESCRIPTION

3	3-ply polyester fabric
PUR	TPU Polyurethane
X	Colour: blue RAL 5015
30	Top cover thickness: 0,30 mm
H	92 ShA Matte
5C	80 N/mm fabric, extra rigid in weft, antistatic

MAIN TECHNICAL DATA

Top cover: Hardness 93 ShA Smooth, matte

Total thickness: 3,10 mm $\pm 0,1$ mm per ply

Weight per m²: 3 600 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%

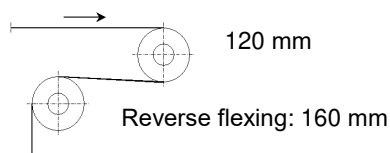
Tensile strength: 200 N/mm

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

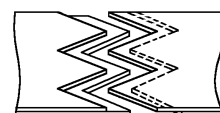
The minimum pulley diameter is not related to the diameter needed to achieve a friction drive.

SPLICING OPTIONS

DS
Round finger single
splice 50 x 20 mm



DS/DEC
Round finger overlapped
splice



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 ($\pm 10^\circ\text{C}$): 155°C

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

Welding Time (± 1 min): 2 min

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

Reveyron does not recommend using foil for splicing.

FASTENERS / LACING

Airport-A (steel, rivet) - Airport-I (inox, rivet) - Gemini-A (steel, rivet) - Gemini-I (inox, rivet) -

BELT FABRICATION

This belt material can be fitted with : V-guides / Profiles / Cleats / Corrugated sidewalls /

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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