TECHNICAL DATA SHEET

OKCHN802

2-ply PU food-grade conveyor belt · Black smooth · 1.70 mm
Low-friction conveying surface · Flame retardant · Metal-detectable · Antistatic

ORIONTEK
ENGINEERING GOOD SOLUTIONS

Manufactured in Europe to Oriontek specification. Supplied, fabricated and installed by Oriontek.

01 CONSTRUCTION

CONVEYING	Material		**Polyurethane (TPU)**
	Thickness	**0.30** mm	*0.012 in.*
	Surface pattern		**Smooth**
	Colour		**Black**
	Coefficient of friction		**LF — low friction**
CARCASS	Material		**Polyester (PET)**
	Number of plies		**2**
	Weft type		**Rigid**
DRIVING	Material		**Fabric, polyurethane (TPU) impregnated**
	Surface pattern		**Fabric**
	Colour		**White**

02 TECHNICAL SPECIFICATIONS

Total thickness	**1.70**	mm	*0.07*	*in.*
Weight	**1.80**	kg/m²	*0.37*	*lbs/sq.ft*
Elongation at 1%	**12**	N/mm	*69.0*	*lbs/in.*
Max. admissible pull	**24**	N/mm	*137.0*	*lbs/in.*
Temperature — minimum (1)	**–20**	°C	*–4*	*°F*
Temperature — maximum (1)	**100**	°C	*212*	*°F*
Max. production width (3)	**2000**	mm	*79*	*in.*

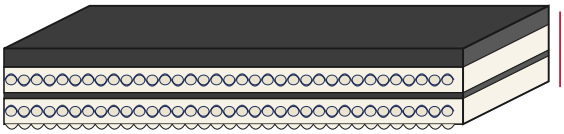
03 MINIMUM RADIUS / DIAMETER (2)

■ Bending roller, min. diameter	**40**	mm	*1.57*	*in.*
■ Counter-bending roller, min. dia.	**50**	mm	*1.97*	*in.*

04 FRICTION — DRIVING SURFACE

■ Raw steel sheet	**0.20** [-]
■ Laminated plastic / wood	**0.25** [-]
■ Steel roller	**0.20** [-]
■ Rubberized roller	**0.30** [-]





PU COVER black · smooth
2-PLY POLYESTER polyester (pet)
FABRIC DRIVE FACE fabric · drive side

CROSS-SECTION — NOT TO SCALE

TOTAL 1.70 MM / 0.07 IN.

05 PERFORMANCE & HANDLING

Humidity influence	NO
Suitable for metal detector	YES
Permanently antistatic, dynamic (UNI EN ISO 21179)	YES
Static conductivity (UNI EN ISO 284)	NO
Conveying on skid bed	YES
Conveying on rollers	YES
Skid bed on top *and* return	NO
Troughed conveying	NO
Curved conveyor	NO
Swan-neck conveying	YES
Inclined conveying	NO
Accumulation belts	YES
Chemical resistance rating	5

06 COMPLIANCE

- REACH EC 1907/2006 and amendments
- EC 1935/2004 and amendments
- EC 2023/2006 and amendments
- EU 10/2011, 2024/3190 and amendments
- FDA — U.S. Food and Drug Administration
- Flame Retardant UNI EN ISO 340
- Flame Retardant UL94HB Horizontal Burning

07 APPROVED APPLICATIONS

- Wood industry
- Airports — explosives detectors
- Plastic materials moulding
- Airports
- Materials handling
- Steel blankets magnetic elevators

Notes: R = high transversal stability

Oriontek service: supplied endless-joined, open-length or fabricated with profiles, sidewalls, cleats and V-guides. Onsite splicing available.