TECHNICAL DATA SHEET

OKCHN37

2-ply PVC food-grade conveyor belt · Green rt · 5.00 mm
Medium-friction conveying surface · Metal-detectable

ORIONTEK
ENGINEERING GOOD SOLUTIONS

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

01 CONSTRUCTION

CONVEYING	Material			PVC 65 Sh.A (±5)
	Thickness	2.50 mm	0.098 in.	
	Surface pattern			RT
	Colour			Green
	Coefficient of friction			MF — medium friction
CARCASS	Material			Polyester (PET)
	Number of plies			2
	Weft type			Rigid
DRIVING	Material			Fabric, polyurethane (TPU) impregnated
	Surface pattern			LdB fabric
	Colour			Grey

02 TECHNICAL SPECIFICATIONS

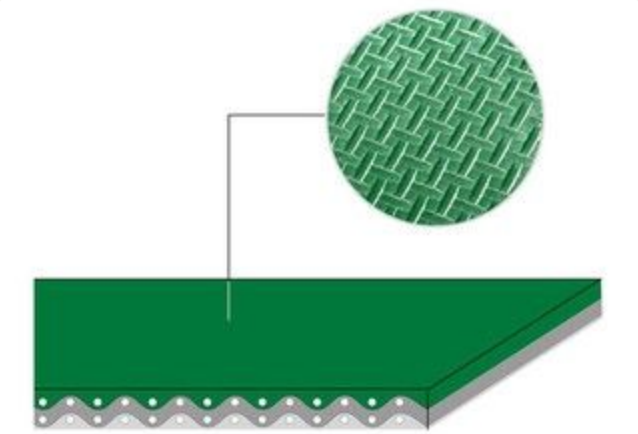
Total thickness	5.00	mm	0.20	in.
Weight	5.70	kg/m²	1.16	lbs/sq.ft
Elongation at 1%	20	N/mm	114.0	lbs/in.
Max. admissible pull	40	N/mm	228.0	lbs/in.
Temperature — minimum [1]	–10	°C	14	°F
Temperature — maximum [1]	60	°C	140	°F
Max. production width [3]	2000	mm	79	in.

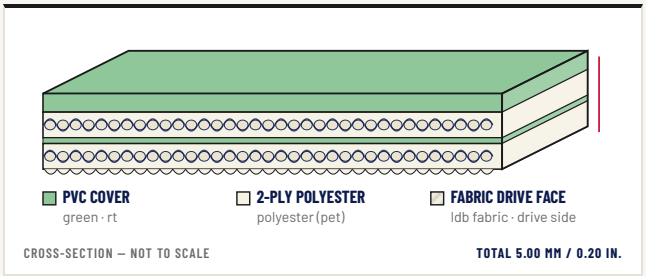
03 MINIMUM RADIUS / DIAMETER [2]

■ Bending roller, min. diameter	100	mm	3.94	in.
■ Counter-bending roller, min. dia.	150	mm	5.91	in.

04 FRICTION — DRIVING SURFACE

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





CROSS-SECTION — NOT TO SCALE

TOTAL 5.00 MM / 0.20 IN.

05 PERFORMANCE & HANDLING

Humidity influence	NO
Suitable for metal detector	YES
Permanently antistatic, dynamic (UNI EN ISO 21179)	NO
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	NO
Inclined conveying	YES
Accumulation belts	NO
Chemical resistance rating	3

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

07 APPROVED APPLICATIONS

- Ceramic industry
- Marble and granite industry
- Steel blankets magnetic elevators

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

NOTES [1] Operating the belt at its limit values may reduce service life. [2] Minimum radius and diameter values depend on the joint type specified by Oriontek. [3] Maximum production width 2000 mm / 79 in.; wider widths require prior authorization.

DISCLAIMER Values are laboratory results measured at +23 °C and 50% relative humidity. They describe the product as tested and do not necessarily reflect conditions of industrial use, nor do they guarantee suitability for a specific application. The customer remains responsible for correct selection and use. Oriontek cannot be held liable for damages arising from use of this product. Specifications may be revised without prior notice.