TECHNICAL DATA SHEET

OKCHN42

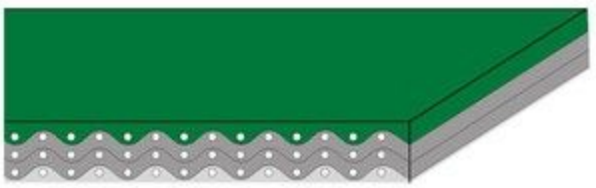
3-ply PVC food-grade conveyor belt · Green smooth · 4.20 mm
Medium-friction conveying surface · Antistatic

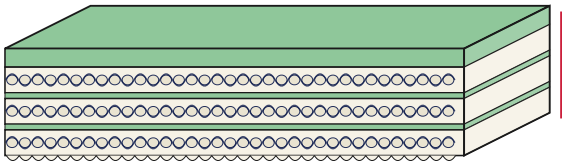
ORIONTEK
ENGINEERING GOOD SOLUTIONS

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

01 CONSTRUCTION

CONVEYING	Material			**PVC 65 Sh.A (±5)**
	Thickness	**1.50** mm	*0.059* *in.*	
	Surface pattern			**Smooth**
	Colour			**Green**
	Coefficient of friction			**MF — medium friction**
CARCASS	Material			**Polyester (PET)**
	Number of plies			**3**
	Weft type			**Flexible**
DRIVING	Material			**Fabric, polyurethane (TPU) impregnated**
	Surface pattern			**Fabric**
	Colour			**Grey**





PVC COVER green · smooth
3-PLY POLYESTER polyester (pet)
FABRIC DRIVE FACE fabric · drive side

CROSS-SECTION — NOT TO SCALE

TOTAL 4.20 MM / 0.17 IN.

02 TECHNICAL SPECIFICATIONS

Total thickness	**4.20**	mm	*0.17*	*in.*
Weight	**4.90**	kg/m²	*1.00*	*lbs/sq.ft*
Elongation at 1%	**18**	N/mm	*103.0*	*lbs/in.*
Max. admissible pull	**36**	N/mm	*206.0*	*lbs/in.*
Temperature — minimum (1)	**–10**	°C	*14*	*°F*
Temperature — maximum (1)	**60**	°C	*140*	*°F*
Max. production width (3)	**3000**	mm	*118*	*in.*

03 MINIMUM RADIUS / DIAMETER (2)

■ Bending roller, min. diameter	**100**	mm	*3.94*	*in.*
■ Counter-bending roller, min. dia.	**120**	mm	*4.72*	*in.*

04 FRICTION — DRIVING SURFACE

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

05 PERFORMANCE & HANDLING

Humidity influence	NO
Suitable for metal detector	NO
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	YES
Curved conveyor	YES
Swan-neck conveying	NO
Inclined conveying	NO
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

- Food — canning
- Box folding industry
- Materials handling
- Steel blankets magnetic elevators
- Textile — inspecting machines
- Packaging
- Bricks conveying

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 3000 mm / 118 in · wider widths require prior authorization.