TECHNICAL DATA SHEET

OKCHN189

2-ply PVC conveyor belt · Black fm · 2.10 mm
High-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 45 Sh.A (±5)
	Thickness	0.50 mm	0.020 in.
	Surface pattern		FM
	Colour		Black
	Coefficient of friction		HF — high friction
CARCASS	Material		Polyester (PET)
	Number of plies		2
	Weft type		Rigid
DRIVING	Material		Fabric, polyurethane (TPU) impregnated
	Surface pattern		Fabric
	Colour		Grey

02 TECHNICAL SPECIFICATIONS

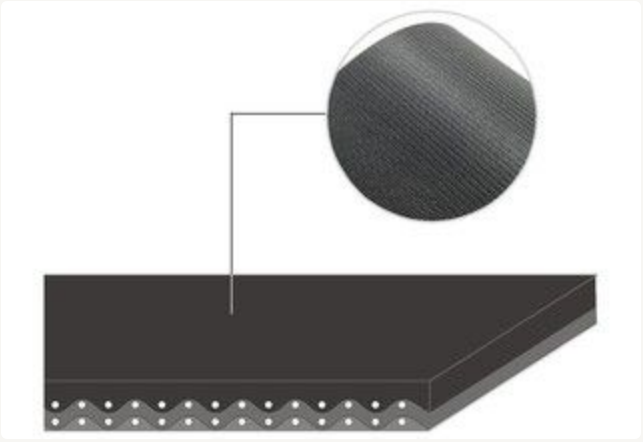
Total thickness	2.10	mm	0.08	in.
Weight	2.30	kg/m²	0.47	lbs/sq.ft
Elongation at 1%	8	N/mm	46.0	lbs/in.
Max. admissible pull	16	N/mm	91.0	lbs/in.
Temperature — minimum (1)	−10	°C	14	°F
Temperature — maximum (1)	60	°C	140	°F
Max. production width (3)	3000	mm	118	in.

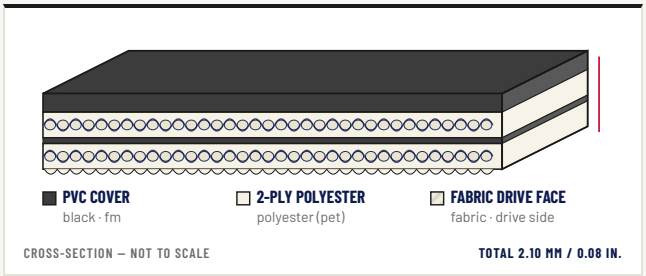
03 MINIMUM RADIUS / DIAMETER (2)

■ Bending roller, min. diameter	30	mm	1.18	in.
■ Counter-bending roller, min. dia.	40	mm	1.57	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 2.10 MM / 0.08 IN.

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	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

07 APPROVED APPLICATIONS

- Corrugated carton — corrugator
- Packaging
- Textile — inspecting machines

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.

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.