TECHNICAL DATA SHEET

OKCHN1568

1-ply conveyor belt · Grey smooth · 1.80 mm
Low-friction conveying surface · Metal-detectable · Antistatic

ORIONTEK
ENGINEERING GOOD SOLUTIONS

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

01 CONSTRUCTION

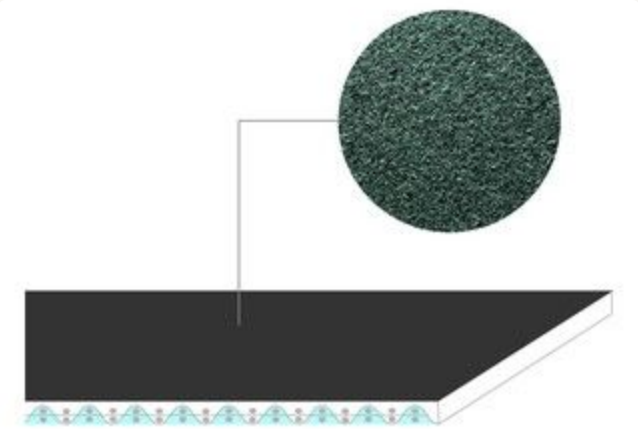
CONVEYING	Material			**Non-woven polyester (PET)**
	Thickness	**0.70**	mm	*0.028 in.*
	Surface pattern			**Smooth**
	Colour			**Grey**
	Coefficient of friction			**LF — low friction**
CARCASS	Material			**Polyester (PET)**
	Number of plies			**1**
	Weft type			**Double weft rigid**
DRIVING	Material			**Fabric polyurethane (TPU) impregnated**
	Surface pattern			**Fabric**
	Colour			**Light blue**

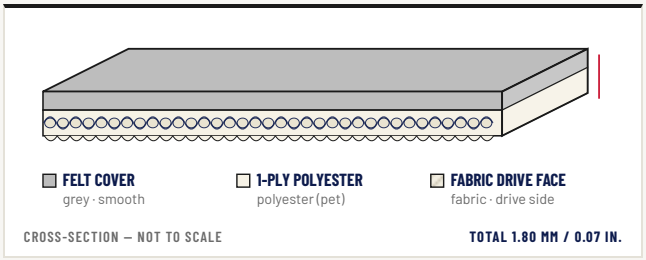
02 TECHNICAL SPECIFICATIONS

Total thickness	**1.80**	mm	*0.07*	*in.*
Weight	**1.90**	kg/m²	*0.39*	*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)	**–20**	°C	*–4*	*°F*
Temperature — maximum (1)	**100**	°C	*212*	*°F*
Max. production width (3)	**1400**	mm	*55*	*in.*

03 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 1.80 MM / 0.07 IN.

04 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	NO
Inclined conveying	YES
Accumulation belts	NO
Chemical resistance rating	12

05 APPROVED APPLICATIONS

- Coefficient of friction on driving surface
- Laminated plastic/wood 0.25 [-]
- Rubberized roller 0.30 [-]
- COMPLIANCES
- Raw steel sheet 0.20 [-]
- Steel roller 0.20 [-]
- Max. production width 1400 mm 55 in.
- REACH EC 1907/2006 Regulation and Amendments

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 1400 mm / 55 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.