TECHNICAL DATA SHEET

OKCHN1793

2-ply TPO food-grade conveyor belt · Blue ra · 1.20 mm
Medium-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		**Thermoplastic Polyolefin (TPO)**
	Thickness	**0.20** mm	*0.008 in.*
	Surface pattern		**RA**
	Colour		**Blue**
	Coefficient of friction		**MF — medium friction**
CARCASS	Material		**Polyester (PET)**
	Number of plies		**2**
	Weft type		**Double weft flexible**
DRIVING	Material		**Fabric, polyurethane (TPU) impregnated**
	Surface pattern		**Fabric**
	Colour		**White**

02 TECHNICAL SPECIFICATIONS

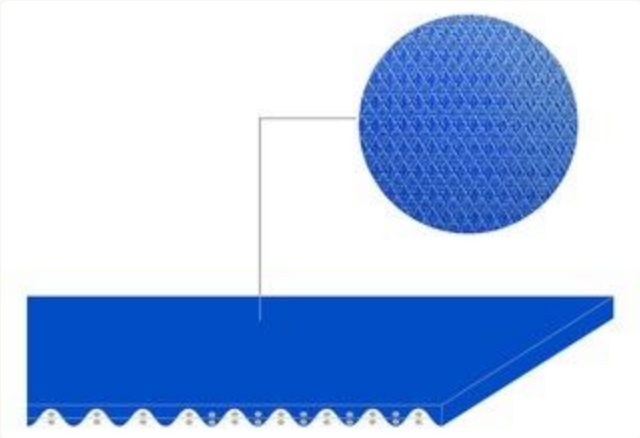
Total thickness	**1.20**	mm	*0.05*	*in.*
Weight	**1.20**	kg/m²	*0.24*	*lbs/sq.ft*
Elongation at 1%	**8**	N/mm	*46.0*	*lbs/in.*
Max. admissible pull	**8**	N/mm	*46.0*	*lbs/in.*
Temperature — minimum (1)	**–40**	°C	*–40*	*°F*
Temperature — maximum (1)	**80**	°C	*176*	*°F*
Max. production width (3)	**1600**	mm	*63*	*in.*

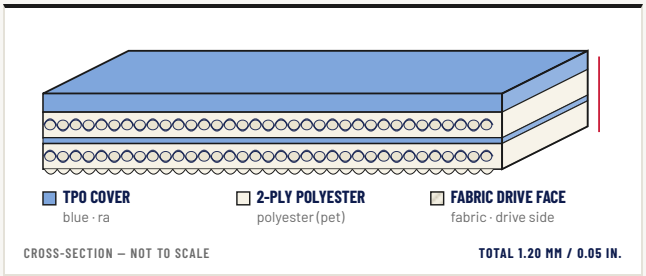
03 MINIMUM RADIUS / DIAMETER (2)

■ Knife edge, minimum radius	**3**	mm	*0.12*	*in.*
■ Bending roller, min. diameter	**6**	mm	*0.24*	*in.*
■ Counter-bending roller, min. dia.	**16**	mm	*0.63*	*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 1.20 MM / 0.05 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	YES
Curved conveyor	NO
Swan-neck conveying	NO
Inclined conveying	NO
Accumulation belts	NO
Chemical resistance rating	12

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 — confectionery
- Food — chocolate cooling tunnel
- Food — dairy
- Food — poultry
- Food — chocolate bars
- Food — bakery
- Food — meat and fish processing
- Food — seafood processing

Notes: Maximum production width 1600 mm. Requests for production in wider widths must be authorized by Technical Management

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