TECHNICAL DATA SHEET

OKCHN2753

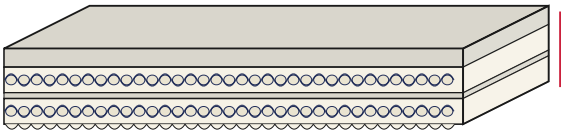
2-ply TPO food-grade conveyor belt · Silver fl · 1.10 mm
Low-friction conveying surface · Antistatic

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	**FL**
	Colour	**Silver**
	Coefficient of friction	**LF — low friction**
CARCASS	Material	**Polyester (PET)**
	Number of plies	**2**
	Weft type	**Combined**
DRIVING	Material	**Fabric, polyolefin (TPO) impregnated**
	Surface pattern	**Fabric**
	Colour	**White**



TPO COVER silver · fl
2-PLY POLYESTER polyester (pet)
FABRIC DRIVE FACE fabric · drive side

CROSS-SECTION — NOT TO SCALE

TOTAL 1.10 MM / 0.04 IN.

02 TECHNICAL SPECIFICATIONS

Total thickness	**1.10**	mm	*0.04*	*in.*
Weight	**1.20**	kg/m²	*0.24*	*lbs/sq.ft*
Elongation at 1%	**4**	N/mm	*23.0*	*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)	**2000**	mm	*79*	*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** [-]

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	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
- EC 2025/351 Regulation of 21 February 2025
- EC 528/2012 and amendments
- Exempt from EPA registration under the treated articles
- Exemption in 40 CFR 152.25(a)
- FDA — U.S. Food and Drug Administration

07 APPROVED APPLICATIONS

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

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