TECHNICAL DATA SHEET

# OKCHN1406

3-ply PU food-grade conveyor belt · Dark blue matt · 2.30 mm
Medium-friction conveying surface · Antistatic

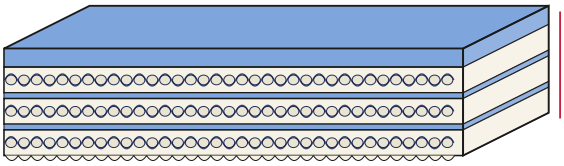
ORIONTEK
ENGINEERING GOOD SOLUTIONS

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

## 01 CONSTRUCTION

| | | | |
|---|---|---|---|
| **CONVEYING** | Material | | **Polyurethane (TPU)** |
| | Thickness | **0.50** mm | *0.020 in.* |
| | Surface pattern | | **Matt** |
| | Colour | | **Dark blue** |
| | Coefficient of friction | | **MF — medium friction** |
| **CARCASS** | Material | | **Polyester (PET)** |
| | Number of plies | | **3** |
| | Weft type | | **Rigid** |
| **DRIVING** | Material | | **Fabric, polyurethane (TPU) impregnated** |
| | Surface pattern | | **Fabric** |
| | Colour | | **Light blue** |





**PU COVER** dark blue · matt
**3-PLY POLYESTER** polyester (pet)
**FABRIC DRIVE FACE** fabric · drive side

CROSS-SECTION — NOT TO SCALE

**TOTAL 2.30 MM / 0.09 IN.**

## 02 TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Total thickness | **2.30** | mm | *0.09* | *in.* |
| Weight | **2.40** | kg/m² | *0.49* | *lbs/sq.ft* |
| Elongation at 1% | **8** | N/mm | *46.0* | *lbs/in.* |
| Max. admissible pull | **16** | N/mm | *91.4* | *lbs/in.* |
| Temperature — minimum (1) | **–30** | °C | *–22* | *°F* |
| Temperature — maximum (1) | **100** | °C | *212* | *°F* |
| Max. production width (3) | **2000** | mm | *79* | *in.* |

## 03 MINIMUM RADIUS / DIAMETER (2)

| | | | | |
|---|---|---|---|---|
| ■ Bending roller, min. diameter | **60** | mm | *2.36* | *in.* |
| ■ Counter-bending roller, min. dia. | **100** | mm | *3.94* | *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 | NO |
| Curved conveyor | NO |
| Swan-neck conveying | YES |
| 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
- HACCP (Hazard Analysis and Critical Control Points)
- USDA Meat&Poultry (United States Department of
- NSF/ANSI 3-A 14159-3-2014 and amendments
- HALAL (World Halal Authority)

## 07 APPROVED APPLICATIONS

- Food industry

**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 2000 mm / 79 in · wider widths require prior authorization.