TECHNICAL DATA SHEET

# OKCHN491

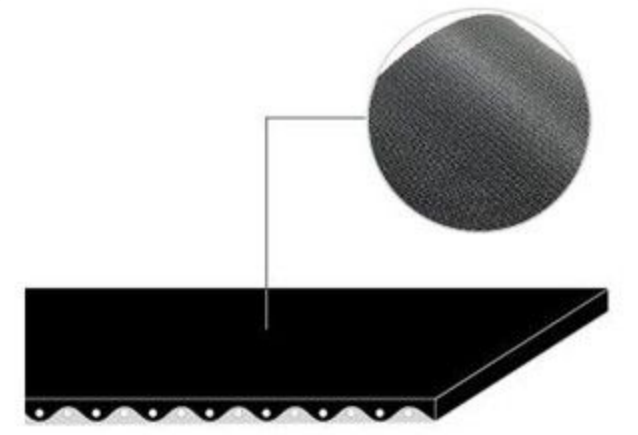
1-ply PVC conveyor belt · Black fm · 1.10 mm
Low-friction conveying surface · Metal-detectable · Antistatic

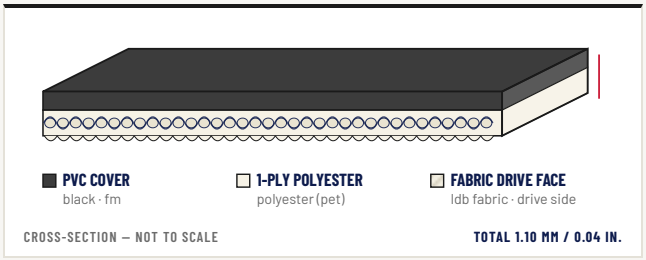
**ORIONTEK**
ENGINEERING GOOD SOLUTIONS

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

## 01 CONSTRUCTION

| | | | |
|---|---|---|---|
| **CONVEYING** | Material | | **PVC 70 Sh.A (±5)** |
| | Thickness | **0.50** mm | *0.020 in.* |
| | Surface pattern | | **FM** |
| | Colour | | **Black** |
| | Coefficient of friction | | **LF — low friction** |
| **CARCASS** | Material | | **Polyester (PET)** |
| | Number of plies | | **1** |
| | Weft type | | **Rigid** |
| **DRIVING** | Material | | **Fabric, polyurethane (TPU) impregnated** |
| | Surface pattern | | **LdB fabric** |
| | Colour | | **Grey** |






CROSS-SECTION — NOT TO SCALE

**TOTAL 1.10 MM / 0.04 IN.**

## 02 TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Total thickness | **1.10** | mm | *0.04* | *in.* |
| Weight | **1.00** | kg/m² | *0.20* | *lbs/sq.ft* |
| Elongation at 1% | **6** | N/mm | *34.0* | *lbs/in.* |
| Max. admissible pull | **6** | N/mm | *34.3* | *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** [-] |

## 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 | NO |
| Curved conveyor | NO |
| Swan-neck conveying | NO |
| Inclined conveying | NO |
| Accumulation belts | NO |
| Chemical resistance rating | 3 |

## 06 COMPLIANCE

- REACH EC 1907/2006 and amendments

## 07 APPROVED APPLICATIONS

- Treadmills

**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.