TECHNICAL DATA SHEET

# OKHBCNB-5E-A1

2-ply TPO food-grade conveyor belt · White matt · 1.40 mm
Antistatic · FDA compliant compound

ORIONTEK
ENGINEERING GOOD SOLUTIONS

## 01 CONSTRUCTION

| | | |
|---|---|---|
| TOP COVER | Material | TPO |
| | Surface | Matt |
| | Colour | White |
| CARCASS | Fabric | Polyester (PET) |
| | Number of plies | 2 |
| BOTTOM | Material | Polyester fabric |
| | Surface | Impregnated fabric |
| | Colour | White |

## 02 TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Total thickness | **1.40** | mm | *0.055* | *in.* |
| Weight | | | **1.3 kg/m²** | |
| Load at 1% elongation | **5.0** | N/mm | *28.6* | *lbs/in.* |
| Temperature — minimum (1) | **–40** | °C | *–40* | *°F* |
| Temperature — maximum (1) | **80** | °C | *176* | *°F* |
| Max. production width | **2400** | mm | *94* | *in.* |
| Coefficient of friction | | | **Drive side on steel 0.15** | |

## 03 MINIMUM PULLEY DIAMETER (2)

| | | | | |
|---|---|---|---|---|
| ■ Minimum pulley / nose bar | **20** | mm | *0.79* | *in.* |
| ■ Back-flex (counter-bending) pulley | **40** | mm | *1.57* | *in.* |





☐ **TPO COVER** white · matt
☐ **2-PLY POLYESTER** polyester (pet)
☐ **FABRIC DRIVE FACE** impregnated fabric · drive s

CROSS-SECTION — NOT TO SCALE

**TOTAL 1.40 MM / IN.**

## 04 PROPERTIES

| | |
|---|---|
| Antistatic | YES |
| FDA compliant compound | YES |
| EU 10/2011 | YES |
| Halal | YES |
| Metal detector friendly | YES |
| Slider bed | YES |
| Roller bed | YES |

## 05 APPLICATION

Features: Easy cleanability, Easy release, Edges wear resistant, Hydrolysis resistant, Wear resistant. Typical uses: Cooling (line) belt, Inspection/control belt, Metering/singulation belt, Packaging belt, Processing belt, Transfer belt. Industries: Baked snacks, Biscuit and Crackers, Bread, Chocolate, Convenience food, Pastry, Poultry, Ready meals, Red meat. Admissible tensile force 12 N/mm.

**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 pulley diameters depend on belt tension and on the splice or fastener specified by Oriontek.

**DISCLAIMER** Values are nominal. 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.