TECHNICAL DATA SHEET

# OKHBFNI-5ER-10

2-ply silicone food-grade conveyor belt · White impregnated fabric · 0.90 mm
FDA compliant compound

ORIONTEK
ENGINEERING GOOD SOLUTIONS

## 01 CONSTRUCTION

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

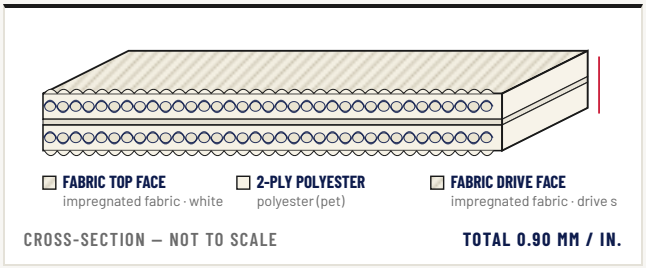
## 02 TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Total thickness | **0.90** | mm | *0.035* | *in.* |
| Weight | | | **1.0 kg/m²** | |
| Load at 1% elongation | **4.0** | N/mm | *22.8* | *lbs/in.* |
| Temperature – minimum (1) | **–30** | °C | *–22* | *°F* |
| Temperature – maximum (1) | **100** | °C | *212* | *°F* |
| Max. production width | **2000** | mm | *79* | *in.* |
| Coefficient of friction | | | **Drive side on steel 0.15** | |

## 03 MINIMUM PULLEY DIAMETER (2)

| | | | | |
|---|---|---|---|---|
| ■ Minimum pulley / nose bar | **15** | mm | *0.59* | *in.* |
| ■ Back-flex (counter-bending) pulley | **25** | mm | *0.98* | *in.* |






CROSS-SECTION – NOT TO SCALE — **TOTAL 0.90 MM / IN.**

## 04 PROPERTIES

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

## 05 APPLICATION

Features: Easy release, No stick-slip effect. Typical uses: Food processing/conveying belt, Packaging belt, Transfer belt. Industries: Chocolate, Hygiene products, Primary food packaging. Admissible tensile force 10 N/mm. Knife-edge radius 4 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.