

# Food Belts

## WVT-258



### Main industry segments

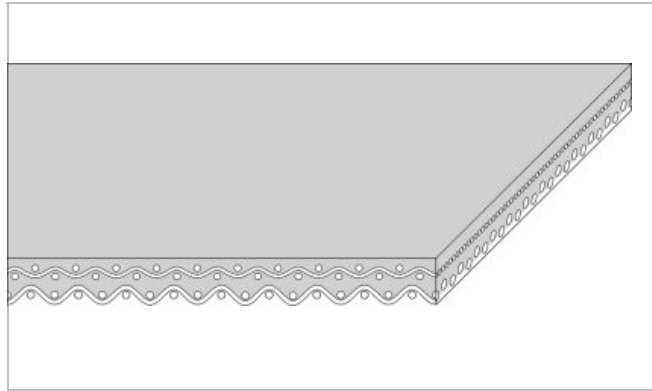
Baked snacks, Biscuit and Crackers, Bread, Pastry

### Applications

Biscuit/Cookie pre-oven applications, Dough belt, Dough rework belt

### Special features

Easy release, Knife-edge (nosebar) suitable, Oil and fat resistant



| Product Construction / Design |                                    |
|-------------------------------|------------------------------------|
| Conveying side material       | Thermoplastic polyurethane (TPU)   |
| Conveying side surface        | Fabric                             |
| Conveying side property       | Non-adhesive                       |
| Conveying side color          | Beige                              |
| Traction layer (material)     | Polyester (PET)/Cotton (CO) fabric |
| Number of Fabrics             | 2                                  |
| Pulley side material          | Polyester (PET)/Cotton (CO) fabric |
| Pulley side surface           | Fabric                             |
| Pulley side property          | Non-adhesive                       |
| Pulley side color             | Beige                              |

| Product characteristics                |  |
|--|--|
| Antistatically equipped                | No   |
| Adhesive free joining method           | Yes  |
| Flammability                           | No specific flammability prevention property           |
| Food suitability, FDA conformance      | Yes - Check Document of Compliance (DoC) in our Portal |
| Food suitability, USDA recommendations | No use intended  |
| Food suitability, EU conformance       | Yes - Check Document of Compliance (DoC) in our Portal |

| Technical data  |                       |               |
|---|-----------------------|---------------|
| Thickness of belt   | 1.00 mm               | 0.04 inch     |
| Mass of belt (belt weight)  | 1.1 kg/m <sup>2</sup> | 0.225 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 4.4 N/mm              | 25 lbf/in     |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 2.8 N/mm              | 16 lbf/in     |
| Min. operating temperature admissible (continuous)  | -30 °C                | -22 °F        |
| Max. operating temperature admissible (continuous)  | 100 °C                | 212 °F        |
| Coefficient of friction (pulley side / steel driving pulley)  | 0.15 -                |               |
| Coefficient of friction (pulley side / driving pulley with friction cover)  | 0.35 -                |               |
| Coefficient of friction (pulley side / pickled steel slider bed)  | 0.20 -                |               |
| Coefficient of friction (pulley side / phenolic resin slider bed)   | 0.20 -                |               |
| Coefficient of friction (pulley side / stainless steel slider bed)  | 0.20 -                |               |
| Seamless manufacturing width  | 2000 mm               | 78.74 inch    |

### Joining related properties

| Joining method    |   |
|-------------------|---|
| Flexproof 10 x 80 | Master joining method for standard applications |

[Link to JDS:](#)

| Joining method   |                | Flexproof 10 x 80 |
|--|----------------|-------------------|
| Knife-edge (nosebar) radius (minimum)                                    | mm<br>inch     | 4<br>0.157        |
| Pulley diameter (minimum)  | mm<br>inch     | 15<br>0.59        |
| Pulley diameter minimum with counter flection                            | mm<br>inch     | 15<br>0.59        |
| Admissible tensile force per unit of width                               | N/mm<br>lbf/in | 7.0<br>40         |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>lbf/in | 7.0<br>40         |
| Slider bed suitable  |                | Yes               |
| Carrying rollers suitable  |                | Yes               |
| Troughed installation suitable   |                | Yes               |
| Powerturns / curved installations  |                | Yes               |
| Metal detector suitable  |                | Yes               |

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

### Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

### Mode of use or conveyance

Horizontal

### Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

### Recommendation

Do not go below initial elongation (epsilon) ~ 0.3%

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

|             |                      |
|-------------|----------------------|
| Group       | Fabric Surface Belts |
| Sub-Group   | Bare Fabric Belts    |
| Item number | H700015601           |

### Disclaimer

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