

# Food Belts WVT-191



## Main industry segments

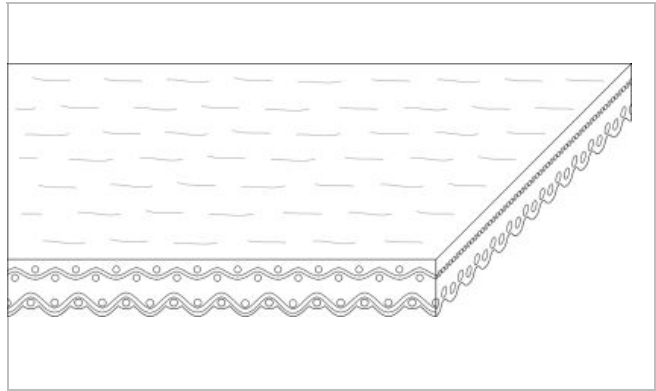
Candy, Convenience food, Frozen food, Primary food packaging, Primary packaging

## Applications

Z-conveyor (goose/swan neck)

## Special features

Abrasion resistant, Cut resistant, High transversal rigidity, Oil and fat resistant, Small pulley diameter suitable



| Product Construction / Design |                                  |
|-------------------------------|----------------------------------|
| Conveying side material       | Thermoplastic polyurethane (TPU) |
| Conveying side surface        | Silk finish                      |
| Conveying side property       | Medium-adhesive                  |
| Conveying side color          | White                            |
| Traction layer (material)     | Polyester (PET)                  |
| Number of Fabrics             | 2                                |
| Pulley side material          | Polyester (PET)                  |
| Pulley side surface           | Impregnated fabric               |
| Pulley side property          | Non-adhesive                     |
| Pulley side color             | White                            |

| Product characteristics                |  |
|--|--|
| Antistatically equipped                | Yes  |
| 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   | 1.9 mm                | 0.07 inch     |
| Mass of belt (belt weight)  | 2.1 kg/m <sup>2</sup> | 0.430 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 6.0 N/mm              | 34 lbf/in     |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 4.8 N/mm              | 27 lbf/in     |
| Min. operating temperature admissible (continuous)  | -20 °C                | -4 °F         |
| Max. operating temperature admissible (continuous)  | 85 °C                 | 185 °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)   | 0.15 -                |               |
| Coefficient of friction (pulley side / stainless steel slider bed)  | 0.15 -                |               |
| Seamless manufacturing width  | 1500 mm               | 59.06 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 |
|---|------------|-------------------|
| Pulley diameter (minimum)                     | mm<br>inch | 30<br>1.18        |
| Pulley diameter minimum with counter flection | mm<br>inch | 50<br>1.97        |
| Slider bed suitable                           |            | Yes               |
| Carrying rollers suitable                     |            | Yes               |
| Troughed installation suitable                |            | No                |
| Powerturns / curved installations             |            | No                |
| Knife-edge (nosebar) suitable                 |            | No                |
| 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

Inclined

## 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       | TPU Belts             |
| Sub-Group   | General Purpose Belts |
| Item number | H700014753            |

## Disclaimer

### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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