

# Food Belts NNT-8EECE



## Main industry segments

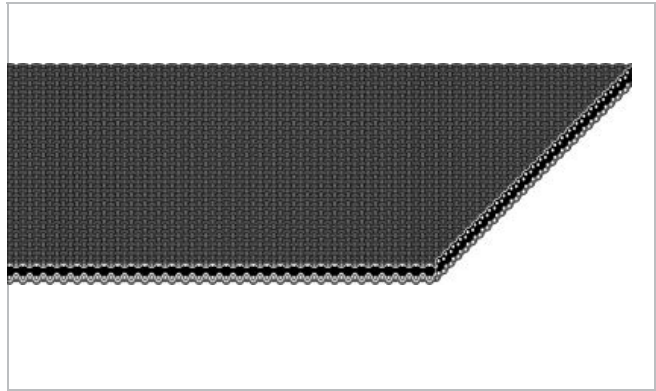
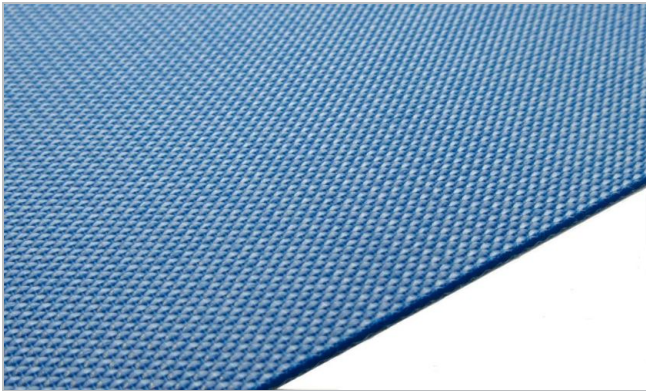
Farming and harvesting, Fruit, Primary food packaging, Vegetables

## Applications

Accumulation belt, Diverting belt, Food processing/conveying belt, Treadliner belt

## Special features

Antistatic



| Product Construction / Design |                 |
|-------------------------------|-----------------|
| Conveying side material       | Polyester (PET) |
| Conveying side surface        | Fabric          |
| Conveying side property       | Non-adhesive    |
| Conveying side color          | Cobalt blue     |
| Traction layer (material)     | Polyester (PET) |
| Number of Fabrics             | 2               |
| Pulley side material          | Polyester (PET) |
| Pulley side surface           | Fabric          |
| Pulley side property          | Non-adhesive    |
| Pulley side color             | Cobalt blue     |

| 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 |
|  | Halal certified  |

| Technical data  |                       |               |
|---|-----------------------|---------------|
| Thickness of belt   | 1.7 mm                | 0.07 inch     |
| Mass of belt (belt weight)  | 1.8 kg/m <sup>2</sup> | 0.369 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 8.0 N/mm              | 46 lbf/in     |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 5.5 N/mm              | 31 lbf/in     |
| Min. operating temperature admissible (continuous)  | -10 °C                | 14 °F         |
| Max. operating temperature admissible (continuous)  | 70 °C                 | 158 °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)  | 0.25 -                |               |
| 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  | 3200 mm               | 125.98 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     | 20<br>0.79        |
| Pulley diameter minimum with counter flection                            | mm<br>inch     | 30<br>1.18        |
| Admissible tensile force per unit of width                               | N/mm<br>lbf/in | 9.5<br>54         |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>lbf/in | 5.5<br>31         |
| Slider bed suitable  |                | Yes               |
| Carrying rollers suitable  |                | Yes               |
| Troughed installation suitable   |                | No                |
| Powerturns / curved installations  |                | No                |
| Knife-edge (nosebar) suitable  |                | No                |
| Low noise applications   |                | 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

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%

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! 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 | H950018998           |

## Disclaimer

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