

# Food Belts T04/U/AS



## Main industry segments

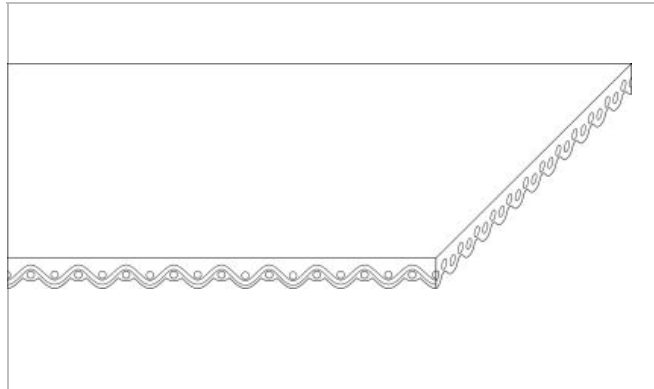
Baked snacks, Biscuit and Crackers, Chocolate, Convenience food, Primary food packaging

## Applications

Cooling (line) belt, Enrobing belt, Food processing/conveying belt, Packaging belt

## Special features

Abrasion resistant, Antistatic, Knife-edge (nosebar) suitable, Oil and fat resistant



| Product Construction / Design |                                  |
|-------------------------------|----------------------------------|
| Conveying side material       | Thermoplastic polyurethane (TPU) |
| Conveying side surface        | Glossy                           |
| Conveying side property       | Medium-adhesive                  |
| Conveying side color          | White                            |
| Traction layer (material)     | Polyester (PET)                  |
| Number of Fabrics             | 1                                |
| 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           | Ja   |
| 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   | 0.60 mm                | 0.02 tommer   |
| Mass of belt (belt weight)  | 0.60 kg/m <sup>2</sup> | 0.123 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 4.2 N/mm               | 24 lbf/in     |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 3.2 N/mm               | 18 lbf/in     |
| Min. operating temperature admissible (continuous)  | -30 °C                 | -22 °F        |
| Max. operating temperature admissible (continuous)  | 80 °C                  | 176 °F        |
| Coefficient of friction (pulley side / steel driving pulley)  | 0.10 -                 |               |
| Coefficient of friction (pulley side / driving pulley with friction cover)  | 0.35 -                 |               |
| Coefficient of friction (pulley side / pickled steel slider bed)  | 0.15 -                 |               |
| 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  | 2000 mm                | 78.74 tommer  |
| On request other seamless manufacturing width   | 1500 mm                | 59 tommer     |

### 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><i>tommer</i>   | 2<br><i>0.079</i> |
| Pulley diameter (minimum)  | mm<br><i>tommer</i>   | 15<br><i>0.59</i> |
| Pulley diameter minimum with counter flection                            | mm<br><i>tommer</i>   | 15<br><i>0.59</i> |
| Admissible tensile force per unit of width                               | N/mm<br><i>lbf/in</i> | 6.0<br><i>34</i>  |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br><i>lbf/in</i> | 3.6<br><i>21</i>  |
| Slider bed suitable  |                       | Yes               |
| Carrying rollers suitable  |                       | Yes               |
| Troughed installation suitable   |                       | Yes               |
| Powerturns / curved installations  |                       | No                |
| Metal detector suitable  |                       | No                |

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 til informasjon om kemisk resistens <https://rims.habasit.com>

## Mode of use or conveyance

Declined, Horizontal, 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%

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      | TPU Belts             |
| Sub-Group  | General Purpose Belts |
| Del nummer | H700001145            |

## Ansvarsfraskrivelse

### Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)

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