# Food Belts T11/U Matt



## Main industry segments

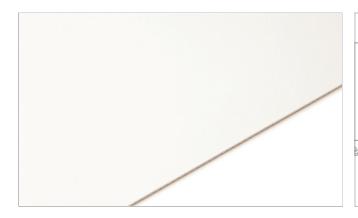
Baked snacks, Biscuit and Crackers, Chocolate, Convenience food, Pastry, Pizza, Primary food packaging

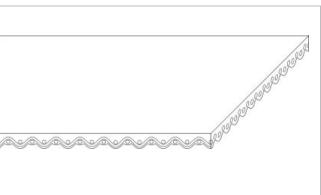
### **Applications**

Biscuit/Cookie pre-oven applications, Chocolate cooling/ embossing, Cooling (line) belt, Decline belt, Incline belt

### **Special features**

Abrasion resistant, Easy release, Flexibility, Knife-edge (nosebar) suitable, Oil and fat resistant, Small pulley diameter suitable





| Product Construction / Design |                                  |  |
|-------------------------------|----------------------------------|--|
| Conveying side material       | Thermoplastic polyurethane (TPU) |  |
| Conveying side surface        | Matt                             |  |
| Conveying side property       | 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                | 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 |  |  |  |
| Other conformance/approval             | Japanese Food Regulation (MHLW Notification No. 370)   |  |  |  |

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| Technical data  |      |       |       |         |  |
|---|------|-------|-------|---------|--|
| Thickness of belt   | 0.80 | mm    | 0.03  | inch    |  |
| Mass of belt (belt weight)  | 0.80 | kg/m² | 0.164 | lb/sqft |  |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 5.0  | N/mm  | 29    | lbf/in  |  |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 3.8  | N/mm  | 22    | lbf/in  |  |
| Min. operating temperature admissible (continuous)  | -20  | °C    | -4    | °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 | inch    |  |

### Joining related properties

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

## Link to JDS:

| Joining method                       |        | Flexproof<br>10 x 80 |
|--------------------------------------|--------|----------------------|
| Knife-edge (nosebar) radius          | mm     | 4                    |
| (minimum)                            | inch   | 0.157                |
| Pulley diameter (minimum)            | mm     | 15                   |
|                                      | inch   | 0.59                 |
| Pulley diameter minimum with         | mm     | 15                   |
| counter flection                     | inch   | 0.59                 |
| Admissible tensile force per unit of | N/mm   | 8.0                  |
| width                                | lbf/in | 46                   |
| Admissible tensile force per unit of | N/mm   | 3.4                  |
| width at max. operating              | lbf/in | 19                   |
| temperature                          |        |                      |
| Slider bed suitable                  |        | Yes                  |
| Carrying rollers suitable            |        | Yes                  |
| Troughed installation suitable       |        | No                   |
| Powerturns / curved installations    |        | 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.

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#### **Chemical resistance**

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

#### Mode of use or conveyance

Accumulation, Diverting, 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"

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 H700001169

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