

Food Belts 3T30



Main industry segments

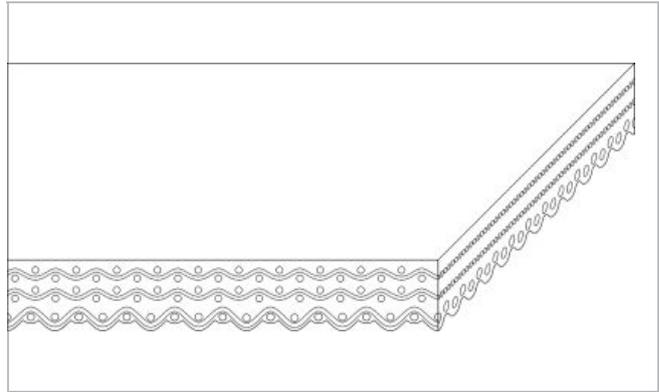
Frozen food, Grain, Poultry, Red meat

Applications

Food processing/conveying belt, Z-conveyor (goose/swan neck)

Special features

Abrasion resistant, 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 | 3 |
| 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 |

| Technical data | | |
|---|-----------------------|---------------|
| Thickness of belt | 2.2 mm | 0.09 inch |
| Mass of belt (belt weight) | 2.4 kg/m ² | 0.492 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 13 N/mm | 74 lbf/in |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 10 N/mm | 57 lbf/in |
| Min. operating temperature admissible (continuous) | -20 °C | -4 °F |
| Max. operating temperature admissible (continuous) | 90 °C | 194 °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 |
| On request other seamless manufacturing width | 1500 mm | 59 inch |

Joining related properties

| Joining method | |
|--------------------|---|
| Flexproof 10 x 120 | Master joining method for standard applications |

[Link to JDS:](#)

| Joining method | | Flexproof 10 x 120 |
|--|----------------|--------------------|
| Pulley diameter (minimum) | mm inch | 100 3.94 |
| Pulley diameter minimum with counter flection | mm inch | 150 5.91 |
| Admissible tensile force per unit of width | N/mm lbf/in | 24 137 |
| Admissible tensile force per unit of width at max. operating temperature | N/mm lbf/in | 4.4 25 |
| 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

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 | TPU Belts |
| Sub-Group | General Purpose Belts |
| Item number | H700000176 |

Disclaimer

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