

Food Belts

CM100FBS 16



Main industry segments

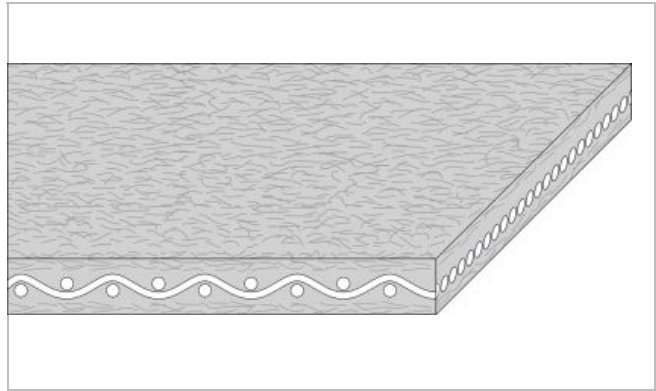
Biscuit and Crackers, Bread

Applications

Dough belt, Dough rework belt

Special features

Easy release, Knife-edge (nosebar) suitable, Oil and fat resistant, Temperature variation resistant



| Product Construction / Design | |
|-------------------------------|-----------------------------|
| Conveying side material | Cotton (CO) |
| Conveying side surface | Nonwoven (fleece) structure |
| Conveying side property | Non-adhesive |
| Conveying side color | Off-white |
| Traction layer (material) | Polyester (PET) |
| Number of Fabrics | 1 |
| Pulley side material | Polyester (PET) |
| Pulley side surface | Nonwoven (fleece) structure |
| 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 | No |

| Technical data | | | |
|---|-----------------------|---------------|--|
| Thickness of belt | 1.7 mm | 0.07 inch | |
| Mass of belt (belt weight) | 1.4 kg/m ² | 0.280 lb/sqft | |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 19 N/mm | 110 lbf/in | |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 6.1 N/mm | 35 lbf/in | |
| Min. operating temperature admissible (continuous) | 0 °C | 32 °F | |
| Max. operating temperature admissible (continuous) | 99 °C | 210 °F | |
| Coefficient of friction (pulley side / steel driving pulley) | 0.30 - | | |
| Coefficient of friction (pulley side / driving pulley with friction cover) | 0.40 - | | |
| Coefficient of friction (pulley side / pickled steel slider bed) | 0.35 - | | |
| Coefficient of friction (pulley side / phenolic resin slider bed) | 0.35 - | | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.20 - | | |
| Seamless manufacturing width | 1829 mm | 72.00 inch | |

Joining related properties

| Joining method | |
|--------------------|--|
| Flexproof 10 x 80 | Master joining method for nosebar / high stress applications |
| Mechanical joining | Optional joining method |
| Sewn Joint | Optional joining method |

[Link to JDS:](#)

| Joining method | | Flexproof 10 x 80 | Mechanical joining | Sewn Joint |
|--|----------------|----------------------|--------------------|-------------|
| Knife-edge (nosebar) radius (minimum) | mm inch | 15 0.591 | 15 0.591 | 15 0.591 |
| Pulley diameter (minimum) | mm inch | 51 2.00 | 51 2.00 | 64 2.50 |
| Pulley diameter minimum with counter flection | mm inch | 64 2.50 | 51 2.00 | 64 2.50 |
| Admissible tensile force per unit of width | N/mm lbf/in | 11 64 | | |
| Admissible tensile force per unit of width at max. operating temperature | N/mm lbf/in | 4.0 23 | | |
| Slider bed suitable | | Yes | Yes | Yes |
| Carrying rollers suitable | | Yes | Yes | Yes |
| Troughed installation suitable | | No | No | Yes |
| Powerturns / curved installations | | No | No | No |
| Low noise applications | | Yes | Yes | Yes |
| Metal detector suitable | | Yes | Yes | 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

Slider bed

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

Install the slack belt and tension until running perfectly under the full belt load

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)

No danger and limitation

| | |
|-------------|----------------------|
| Group | Fabric Surface Belts |
| Sub-Group | Nonwoven Belts |
| Item number | H250001400 |

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