

Monolithic Flat Belts

CD.F09-N-YW+S/EH



Main industry segments

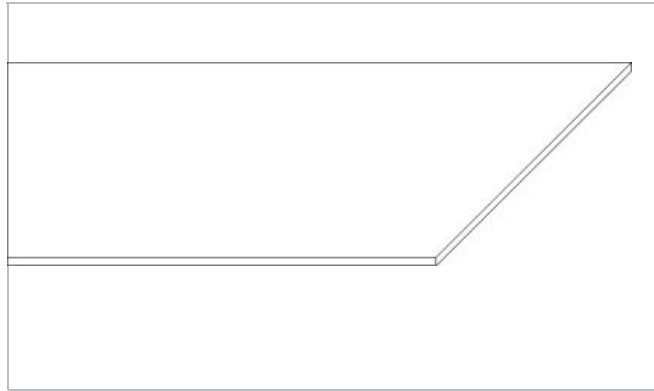
Biscuit and Crackers, Chocolate

Applications

Weighing belt

Special features

Abrasion resistant, Edges wear resistant, Elastic, Flexibility, Flexibility in all directions, Monolithic Belt, Non fraying, Oil and fat resistant, Small pulley diameter suitable



| Product Construction / Design | |
|-------------------------------|----------------------------------|
| Material | Thermoplastic polyurethane (TPU) |
| Color | White |
| Conveying side surface | Matt |
| Conveying side property | Medium-adhesive |
| Pulley side surface | Medium textile structure |
| Pulley side property | Non-adhesive |

| Product characteristics | |
|---|--|
| Antistatically equipped | No |
| Knife edge roller suitable | Yes |
| Antimicrobially equipped | No |
| Conveying side conductive surface acc. EN ISO | No |
| Slider bed suitable | Yes |
| Carrying rollers suitable | Yes |
| Troughed installation suitable | Yes |
| X-Ray / Metal detector suitable | Yes |
| Laser markable | Yes |
| Flammability | No specific flammability prevention property |
| Food suitability, EU conformance | Yes - Check Document of Compliance (DoC) in our Portal |
| Food suitability, FDA conformance | Yes - Check Document of Compliance (DoC) in our Portal |

| Technical data | | | |
|---|------|-------------------|---------------|
| Hardness | 92 | Shore A | |
| Thickness of belt | 0.90 | mm | 0.04 inch |
| Mass of belt (belt weight) | 0.90 | kg/m ² | 0.184 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 0.40 | N/mm | 2 lbf/in |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 0.30 | N/mm | 2 lbf/in |
| Min. operating temperature admissible (continuous) | 0 | °C | 32 °F |
| Max. operating temperature admissible (continuous) | 60 | °C | 140 °F |
| Coefficient of friction (pulley side / steel driving pulley) | 0.30 | - | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.25 | - | |
| Coefficient of friction (pulley side / PE sliding support) | 0.25 | - | |
| Seamless manufacturing width | 1350 | mm | 53.15 inch |

Joining related properties

| Joining method | |
|-------------------|---|
| Quickmelt | Master joining method for standard applications |
| Microflex 15 x 10 | Optional joining method |
| Flexproof 8 x 30 | Optional joining method |

[Link to JDS:](#)

| Joining method | | Quickmelt | Microflex 15 x 10 | Flexproof 8 x 30 |
|--|----------------|------------|-------------------|------------------|
| Knife edge roller diameter (minimum) | mm inch | 8 0.315 | 8 0.315 | 8 0.315 |
| Pulley diameter (minimum) | mm inch | 12 0.47 | 12 0.47 | 12 0.47 |
| Pulley diameter minimum with counter flection | mm inch | 12 0.47 | 12 0.47 | 12 0.47 |
| Admissible tensile force per unit of width | N/mm lbf/in | 1.5 9 | 1.5 9 | 1.5 9 |
| Admissible tensile force per unit of width at max. operating temperature | N/mm lbf/in | 0.30 2 | 0.30 2 | 0.30 2 |

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>

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) ~ 1.0%, Elastic belt: Initial elongation depends on belt load and application

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 | Cleandrive Friction Drive |
| Sub-Group | Monolithic Elastic Flat Belts |
| Item number | H700000812 |

Disclaimer

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