

Monolithic Flat Belts CD.F16-N-FC+LG/EH



Main industry segments

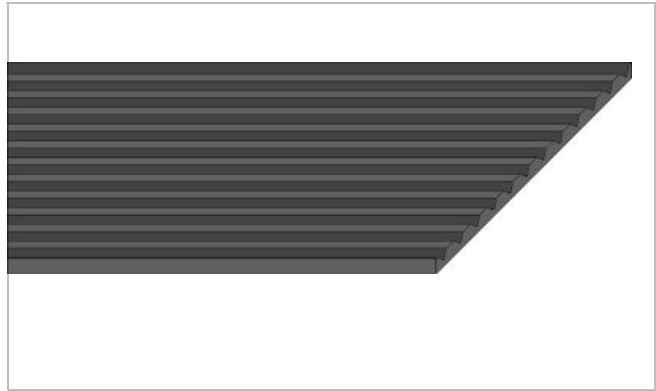
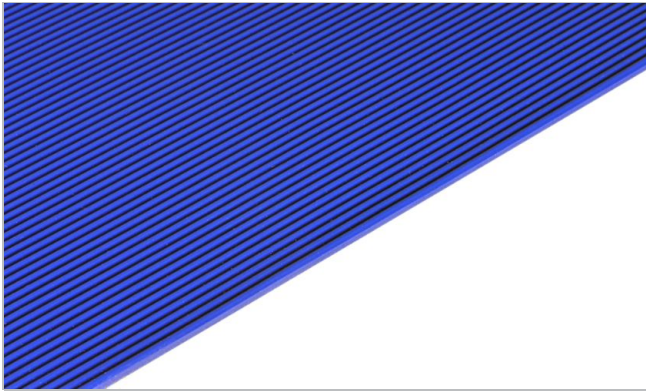
Baked snacks, Biscuit and Crackers, Candy, Chewing gum, Chocolate

Applications

Weighing belt

Special features

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



| Product Construction / Design | |
|-------------------------------|----------------------------------|
| Material | Thermoplastic polyurethane (TPU) |
| Color | Cobalt blue |
| Conveying side surface | Longitudinal groove structure |
| Conveying side property | Adhesive |
| Pulley side surface | Medium textile structure |
| Pulley side property | Medium-adhesive |

| Product characteristics | |
|--|--|
| Antistatically equipped | No |
| Adhesive free joining method | Yes |
| Knife edge roller suitable | Yes |
| Carrying rollers suitable | Yes |
| Slider bed suitable | Yes |
| Troughed installation suitable | Yes |
| Flammability | No specific flammability prevention property |
| X-Ray / Metal detector suitable | Yes |
| 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 |

Monolithic Flat Belts

CD.F16-N-FC+LG/EH



| Technical data | | |
|---|-----------------------|---------------|
| Thickness of belt | 1.6 mm | 0.06 inch |
| Mass of belt (belt weight) | 1.6 kg/m ² | 0.328 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) | 0.25 N/mm | 1 lbf/in |
| Min. operating temperature admissible (continuous) | -20 °C | -4 °F |
| Max. operating temperature admissible (continuous) | 60 °C | 140 °F |
| Coefficient of friction (pulley side / steel driving pulley) | 0.50 - | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.45 - | |
| Coefficient of friction (PE sliding support) | 0.45 - | |
| Seamless manufacturing width | 1350 mm | 53.15 inch |

Joining related properties

| Joining method | |
|----------------|---|
| Quickmelt | Master joining method for standard applications |

[Link to JDS:](#)

| Joining method | | Quickmelt |
|--|----------------|-------------|
| Knife edge roller diameter (minimum) | mm inch | 8.0 0.31 |
| Pulley diameter (minimum) | mm inch | 15 0.59 |
| Pulley diameter minimum with counter flection | mm inch | 15 0.59 |
| Admissible tensile force per unit of width | N/mm lbf/in | 1.3 7 |
| Admissible tensile force per unit of width at max. operating temperature | N/mm lbf/in | 0.25 1 |

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

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) ~ 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 | Monolithic Elastic Belts |
| Sub-Group | Flat Belts |
| Item number | H700016258 |

Disclaimer

Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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