

Monolithic Flat Belts

E-FB12-TC+E(PN/EH)



Main industry segments

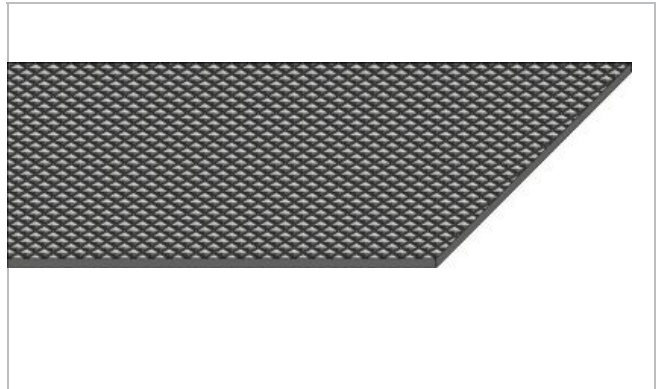
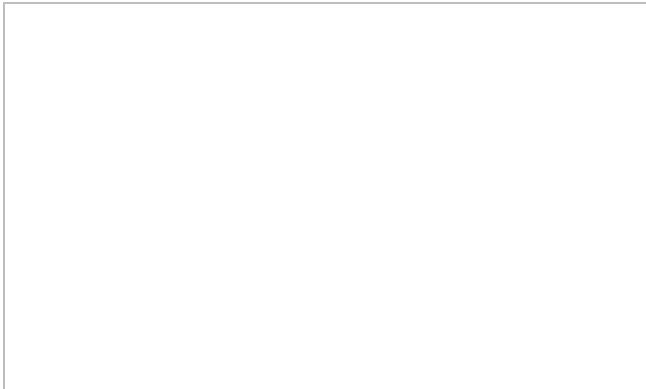
Baked snacks, Biscuit and Crackers, Chocolate, Primary food packaging

Applications

Diverting belt, Packaging belt, Weighing belt

Special features

Abrasion resistant, Constant and gentle positive grip, Elastic, Flexibility, Flexibility in all directions, Non fraying, Oil and fat resistant, Small pulley diameter suitable



| Product Construction / Design | |
|-------------------------------|----------------------------------|
| Conveying side material | Thermoplastic polyurethane (TPU) |
| Conveying side surface | Inverted pyramid structure |
| Conveying side property | Non-adhesive |
| Conveying side color | Cobalt blue |
| Traction layer (material) | Thermoplastic polyurethane (TPU) |
| Number of Fabrics | 0 |
| Pulley side material | Thermoplastic polyurethane (TPU) |
| Pulley side surface | Fine textile structure |
| Pulley side color | Cobalt blue |

| Product characteristics | |
|--|--|
| Antistatically equipped | No |
| Adhesive free joining method | Yes |
| Flammability | No specific flammability prevention property |
| UV-C suitable | No |
| X-Ray / Metal detector suitable | No |
| Food suitability, FDA conformance | Yes - acc. to 21CFR parts 170 - 199. Details/restrictions see Habasit food compliance declaration. |
| Food suitability, USDA recommendations | No use intended |
| Food suitability, EU conformance | Yes - acc. to Regulation (EC) No. 1935/2004 as well as Regulation (EU) No. 10/2011 and/or other relevant food contact legislation. Details/restrictions see Habasit food compliance declaration. |

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| Technical data | | |
|---|------------------------|---------------|
| Thickness of belt | 1.10 mm | 0.04 inch |
| Mass of belt (belt weight) | 0.95 kg/m ² | 0.195 lb/sqft |
| Min. operating temperature admissible (continuous) | -10 °C | 14 °F |
| Max. operating temperature admissible (continuous) | 60 °C | 140 °F |
| Coefficient of friction (running side / steel driving pulley) | 0.25 - | |
| Coefficient of friction (running side / stainless steel slider bed) | 0.35 - | |
| Seamless manufacturing width | 1350 mm | 53.15 inch |

Joining related properties

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

[Link to JDS:](#)

| Joining method | | Quickmelt | Microflex 8 x 30 | Microflex 8 x 30 |
|---|------------|------------|---------------------|---------------------|
| Pulley diameter (minimum) | mm inch | 15 0.59 | 15 0.59 | 15 0.59 |
| Pulley diameter minimum with counter flection | mm inch | 15 0.59 | 15 0.59 | 15 0.59 |
| Slider bed suitable | | Yes | Yes | Yes |
| Carrying rollers suitable | | Yes | Yes | Yes |
| Troughed installation suitable | | Yes | Yes | Yes |
| Knife edge roller suitable | | Yes | Yes | Yes |

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

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Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

Mode of use or conveyance

Horizontal

Calculations

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

Recommendation

Elastic belt: Initial elongation depends on belt load and application

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

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 Flat Belts |
| Sub-Group | TPU |
| Item number | H700002040 |

Disclaimer

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

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