

# Monolithic Flat Belts

## E-FB12-YC+E(PN/EH)



### Main industry segments

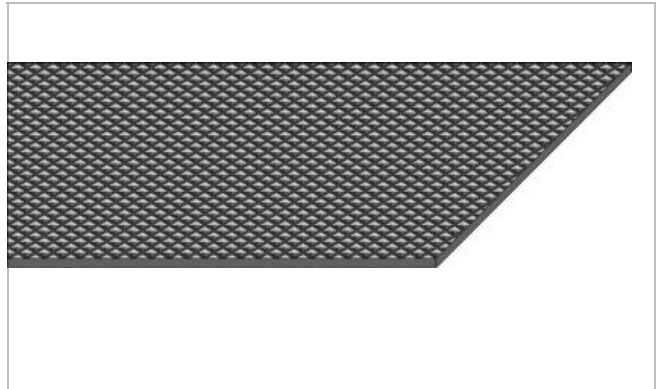
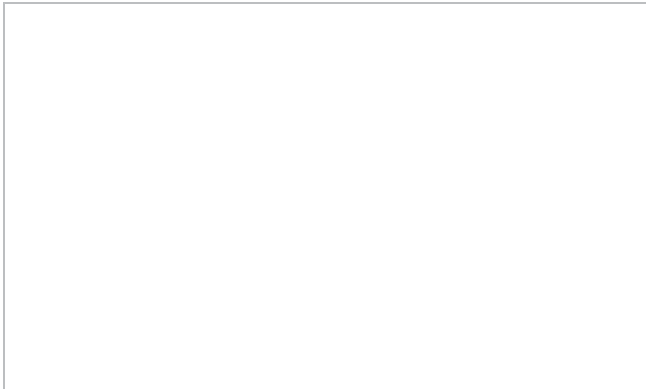
Baked snacks, Biscuit and Crackers, Chocolate, Primary food packaging

### 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 <sup>2</sup>	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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