

# Food Belts

## FSB-2EIC



### Main industry segments

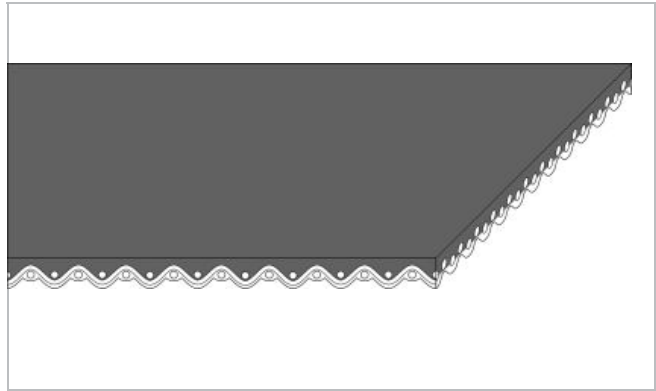
Convenience food, Frozen food, Poultry, Primary food packaging, Ready meals, Red meat

### Applications

Acceleration belt, Deceleration belt, Decline belt, Incline belt, Inspection/control belt, Weighing belt

### Special features

High grip surface



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Glossy
Conveying side property	Super-adhesive
Conveying side color	Cobalt blue
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	White

Product characteristics	
Antistatically equipped	Yes
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	Yes - Check Document of Compliance (DoC) in our Portal

Technical data		
Thickness of belt	0.70 mm	0.03 inch
Mass of belt (belt weight)	0.70 kg/m <sup>2</sup>	0.143 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	3.2 N/mm	18 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	2.2 N/mm	13 lbf/in
Min. operating temperature admissible (continuous)	-40 °C	-40 °F
Max. operating temperature admissible (continuous)	80 °C	176 °F
Coefficient of friction (pulley side / steel driving pulley)	0.10 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.15 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	1500 mm	59.06 inch

### Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 80
Knife-edge (nosebar) radius (minimum)	mm inch	3 0.118
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	5.5 31
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	4.4 25
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Low noise applications		No
Metal detector suitable		No

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

Declined, Horizontal, Inclined

## 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) ~ 0.3%

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!

Group	TPU Belts
Sub-Group	General Purpose Belts
Item number	H700015539

## Disclaimer

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

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