

# Processing Belts

## EAT-8P



### Main industry segments

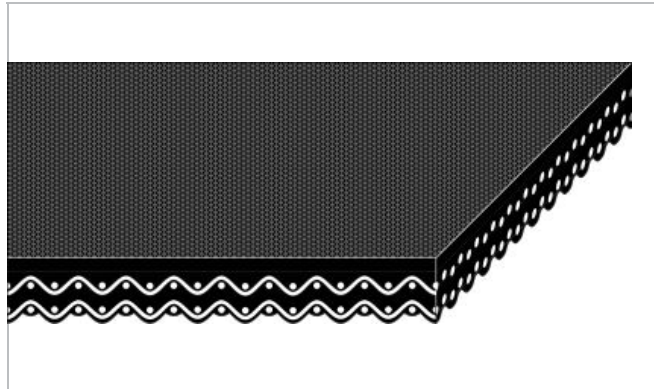
Cardboard converting, Electronics, Paper manufacturing and processing, Paper printing and finishing, Secondary packaging

### Applications

Paper handling belt, Processing belt

### Special features

Abrasion resistant, Constant coefficient of friction, Static conductive, Robustness



Product Construction / Design	
Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Coarse textile structure
Conveying side property	Adhesive
Conveying side color	Black
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes - fulfills EN 12882 / Categorie 1
Adhesive free joining method	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

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Technical data		
Thickness of belt	2.0 mm	0.08 inch
Mass of belt (belt weight)	2.1 kg/m <sup>2</sup>	0.430 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	3.8 N/mm	22 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	1.7 N/mm	10 lbf/in
Min. operating temperature admissible (continuous)	0 °C	32 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Coefficient of friction (pulley side / steel driving pulley)	0.15 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.20 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.20 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	2400 mm	94.49 inch

### Joining related properties

Joining method	
Thermofix 90°	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Thermofix 90°
Pulley diameter (minimum)	mm inch	25 0.79
Pulley diameter minimum with counter flection	mm inch	40 0.98
Admissible tensile force per unit of width	N/mm lbf/in	8.5 49
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	8.5 49
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		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

Accumulation, 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) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

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	Elastomer Covered Conveying Belts
Sub-Group	-
Item number	H010100299

### Disclaimer

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

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