

# Processing Belts

## ENT-18PHB



### Main industry segments

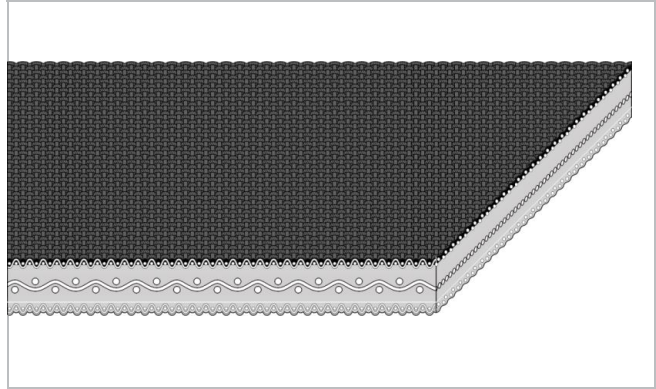
Automotive components, Leather, Various industries

### Applications

Punching belt

### Special features

Abrasion resistant, Cut resistant



Product Construction / Design	
Conveying side material	Polyamide (PA)
Conveying side surface	Impregnated fabric
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyamide (PA)
Number of Fabrics	3
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR)
Pulley side surface	Impregnated fabric
Pulley side color	Green (Habasit green)

Product characteristics	
Antistatically equipped	Yes
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	3.4 mm	0.13 inch
Mass of belt (belt weight)	3.5 kg/m <sup>2</sup>	0.717 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	53 N/mm	303 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	18 N/mm	103 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.25 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	2000 mm	78.74 inch
On request other seamless manufacturing width	2400 mm	94 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	200 7.87
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		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

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) ~ 0.3%, 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	Punching Belts
Sub-Group	-
Item number	H950026654

### Disclaimer

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

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