

# Processing Belts

## ENT-12EEWL



### Main industry segments

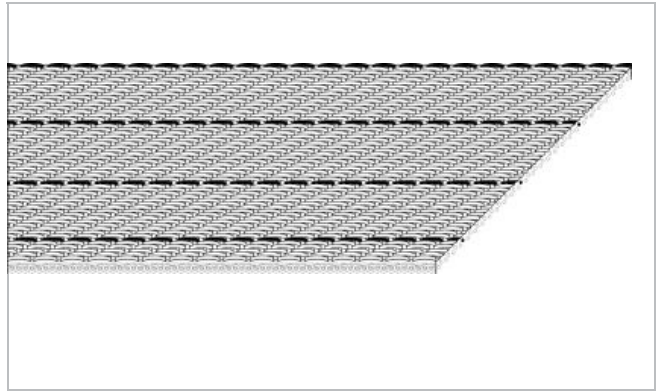
Wood panel and boards

### Applications

Deaeration belt, Pre-heater mesh belt

### Special features

Abrasion resistant, Air permeability, High temperature resistant, Hydrolysis resistant



Product Construction / Design	
Conveying side material	Polyester (PET)
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	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	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

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Technical data		
Thickness of belt	1.35 mm	0.05 inch
Mass of belt (belt weight)	1.3 kg/m <sup>2</sup>	0.266 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	14 N/mm	80 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10 N/mm	57 lbf/in
Min. operating temperature admissible (continuous)	-30 °C	-22 °F
Max. operating temperature admissible (continuous)	130 °C	266 °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 -	
Seamless manufacturing width	5000 mm	196.85 inch

Air permeability (at 200 Pa) = 11500 m<sup>3</sup>/m<sup>2</sup>/h

### Joining related properties

Joining method	
Single-loop seam	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Single-loop seam
Knife edge roller diameter (minimum)	mm inch	10.0 0.39
Pulley diameter (minimum)	mm inch	70 2.76
Pulley diameter minimum with counter flection	mm inch	80 3.15
Admissible tensile force per unit of width	N/mm lbf/in	16 91
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	13 74
Slider bed suitable		Yes
Carrying rollers suitable		No
Troughed installation suitable		No
Powerturns / curved installations		No
Knife edge roller suitable		Yes
Low noise applications		No
Metal detector suitable		Yes

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

Deaeration/filter

### 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

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. 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	Wood Processing Belts
Sub-Group	Deaeration Belts
Item number	H950026537

### Disclaimer

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

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