

# Processing Belts

## ENR-15EGW



### Main industry segments

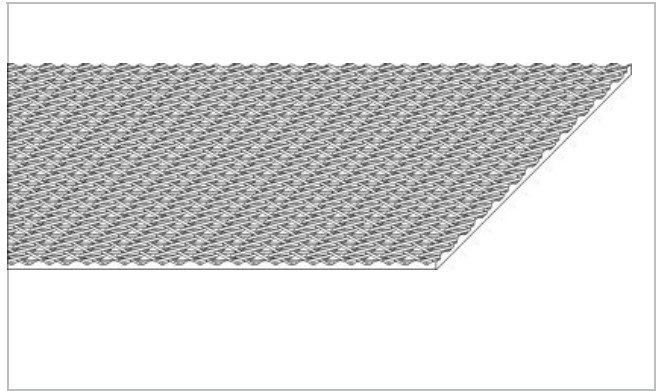
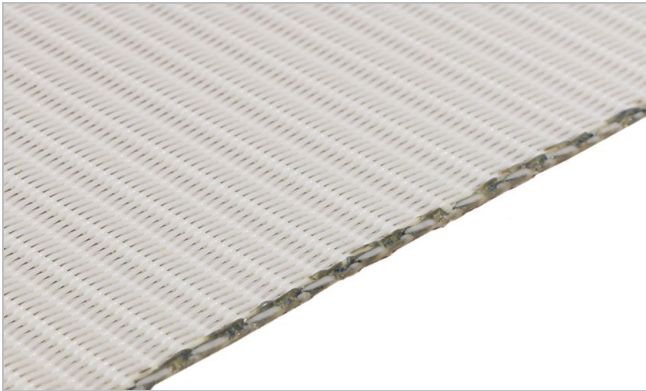
Solid wood

### Applications

Pre-heater mesh belt

### Special features

Air permeability, Non-marking, UV 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	No
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

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Technical data		
Thickness of belt	2.4 mm	0.09 inch
Mass of belt (belt weight)	1.1 kg/m <sup>2</sup>	0.225 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	19 N/mm	108 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	16 N/mm	91 lbf/in
Min. operating temperature admissible (continuous)	-30 °C	-22 °F
Max. operating temperature admissible (continuous)	150 °C	302 °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)	0.10 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	5000 mm	196.85 inch

Air permeability (at 200 Pa) = 22000 m<sup>3</sup>/m<sup>2</sup>/h  
 UV resistance tested 1000h with 50 W/m<sup>2</sup> (300-400 nm)

### Joining related properties

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

[Link to JDS:](#)

Joining method		Single-loop seam
Pulley diameter (minimum)	mm	70
	inch	2.76
Pulley diameter minimum with counter flection	mm	80
	inch	3.15
Admissible tensile force per unit of width	N/mm	16
	lbf/in	91
Admissible tensile force per unit of width at max. operating temperature	N/mm	13
	lbf/in	74
Slider bed suitable		Yes
Carrying rollers suitable		No
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

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

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	Wood Processing Belts
Sub-Group	Deaeration Belts
Item number	H950026534

### Disclaimer

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

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