

# Processing Belts

## ENA-151AEBH



### Main industry segments

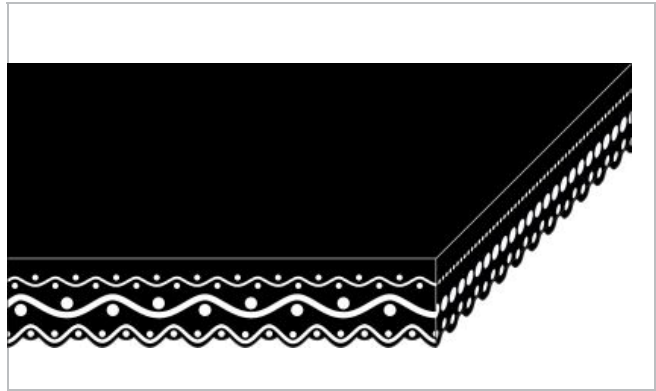
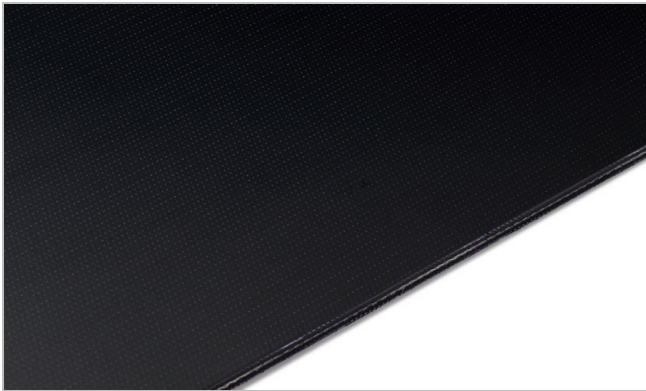
Gypsum boards, Wood panel and boards

### Applications

Prepress belt, Worker/People mover belt

### Special features

ATEX compliant, High modulus of elasticity, Hydrolysis resistant, Pressure resistant



Product Construction / Design	
Conveying side material	Polyurethane cross-linked (PUR)
Conveying side surface	Smooth
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Aramid fabric
Number of Fabrics	3
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

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	3.8 mm	0.15 inch
Mass of belt (belt weight)	4.3 kg/m <sup>2</sup>	0.881 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	36 N/mm	206 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	25 N/mm	143 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	50 °C	122 °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)	0.20 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.20 -	
Seamless manufacturing width	3800 mm	149.61 inch

### Joining related properties

Joining method	
Flexproof 10 x 120	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 120
Pulley diameter (minimum)	mm inch	250 9.84
Pulley diameter minimum with counter flection	mm inch	250 9.84
Admissible tensile force per unit of width	N/mm lbf/in	104 594
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	93 531
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
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).

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### Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

### Mode of use or conveyance

Horizontal, Inclined

### Calculations

Computer assisted - only at Habasit Reinach for prepress applications. A special form to register data is available at your local Habasit partner.

### Recommendation

Do not force belt over edges and use crow bars (no striking and buckling), Do not force when handling during installation, Do not go below initial elongation (epsilon) ~ 0.3%

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

Habasit declares this product as a component which is intended for incorporation into ATEX-compliant equipment or assemblies (directive 2014/34/EU). This component fulfills the classification: II 2 GD Ex h IIB 80°C Gc (Qualified for equipment group II; category 2; for groups of agents gas (explosion groups IIA and IIB) and dust; protection achieved by constructional safety; for maximum ambient temperature  $\leq +80$  °C)

Group	Wood Processing Belts
Sub-Group	Pre-Press Belts
Item number	H010101311

### Disclaimer

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

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