

# Processing Belts

## ENA-151AEBH



### Main industry segments

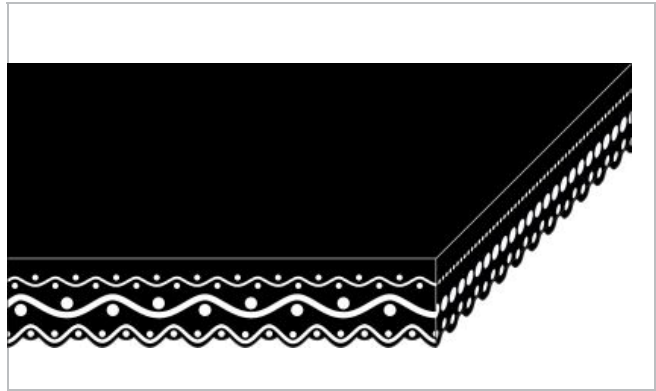
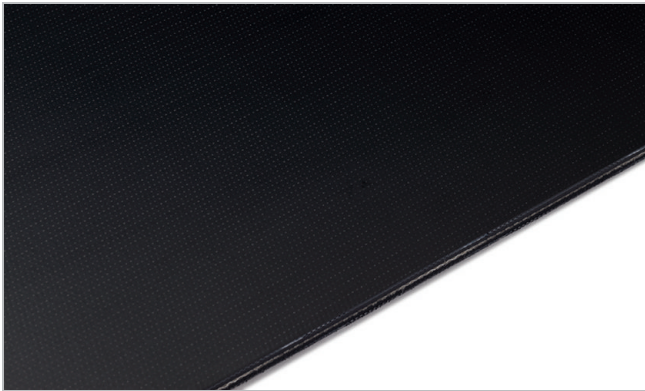
Gypsum boards, Wood panel and boards

### Applications

Prepress belt, Worker/People mover belt

### Special features

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



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

# Processing Belts

## ENA-151AEBH



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). 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.

# Processing Belts

## ENA-151AEBH



### Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

### 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, Maximum initial elongation: 0.7%!, Recommended initial elongation 0.3 - 0.5%

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)

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice. EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.