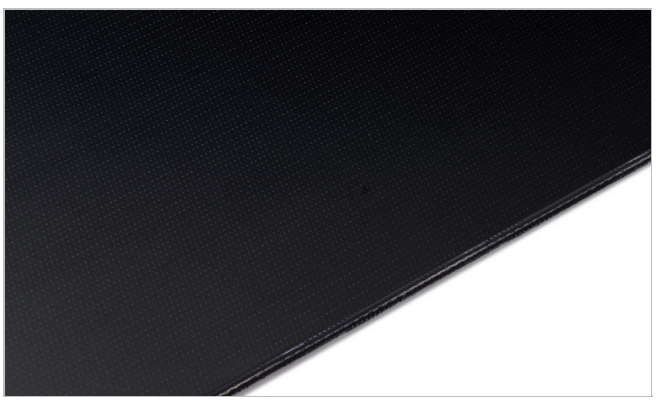
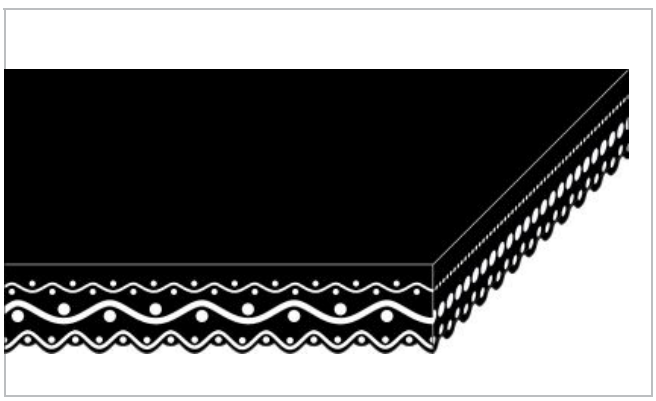
Processing Belts
ENA-151AEBH

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, EU conformance	No

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Technical data				
Thickness of belt	3.8	mm	*0.150*	*inch*
Mass of belt (belt weight)	4.3	kg/m²	*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)	0.15	-		
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)	0.20	-		
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
Knife-edge (nosebar) suitable		No
Low noise applications		No
Designed for metal detector transparency		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, 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%

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"

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 ≤ +80 °C)

Group	Wood Processing Belts Pre-Press Belts
Item number	H010101311

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