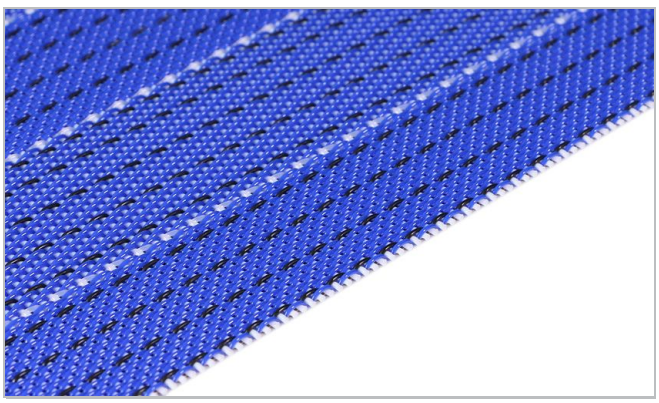
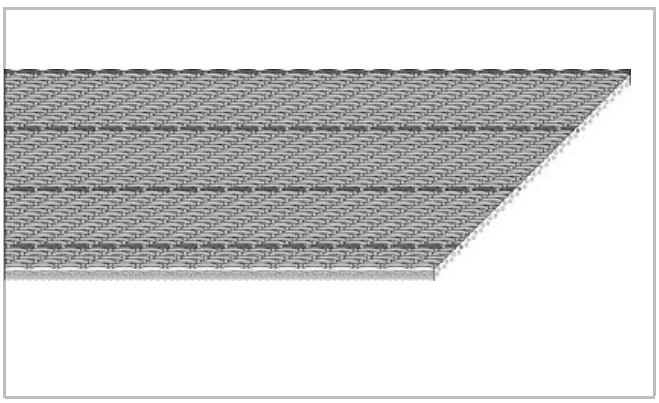
Processing Belts
ENR-12E

Main industry segments
Wood panel and boards

Applications
Deaeration belt

Special features
Abrasion resistant, Air permeability





Product Construction / Design	
Conveying side material	Polyester (PET)
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	Blue
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	Blue

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
ENR-12E

Technical data				
Thickness of belt	1.8	mm	*0.07*	*inch*
Mass of belt (belt weight)	1.3	kg/m²	*0.256*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	12	N/mm	*69*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.0	N/mm	*40*	*lbf/in*
Min. operating temperature admissible (continuous)	-30	°C	*-22*	*°F*
Max. operating temperature admissible (continuous)	80	°C	*176*	*°F*
Coefficient of friction (running side / steel driving pulley)	0.15	-		
Coefficient of friction (running side / driving pulley with friction cover)	0.35	-		
Coefficient of friction (running side / pickled steel slider bed)	0.20	-		
Coefficient of friction (running side / phenolic resin slider bed)	0.10	-		
Coefficient of friction (running side / stainless steel slider bed)	0.20	-		
Seamless manufacturing width	3600	mm	*142*	*inch*

Joining related properties

Joining method	
Flexproof 20 x 80	Master joining method for standard applications
Mechanical joining	Optional joining method
Woven joint	Optional joining method

Link to JDS:

Joining method		Flexproof 20 x 80	Mechanical joining	Woven joint
Pulley diameter (minimum)	mm *inch*	80 *3.15*	80 *3.15*	80 *3.15*
Pulley diameter minimum with counter flection	mm *inch*	80 *3.15*	80 *3.15*	80 *3.15*
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		No	No	No
Troughed installation suitable		No	No	No
Power turns / curved installations		No	No	No
Nosebar suitable		No	No	No
Low noise applications		No	No	No
Metal detector suitable		Yes	Yes	Yes

Air permeability (at 200 Pa) = 9000 m3/m2 per hour

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

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

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

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.

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 94/9) and therefore is subject to user's analysis in the respective environment

Group	Wood Processing Belts
Sub-Group	Deaeration Belts
Item number	H010700401