

Processing Belts

ENB-6EE



Main industry segments

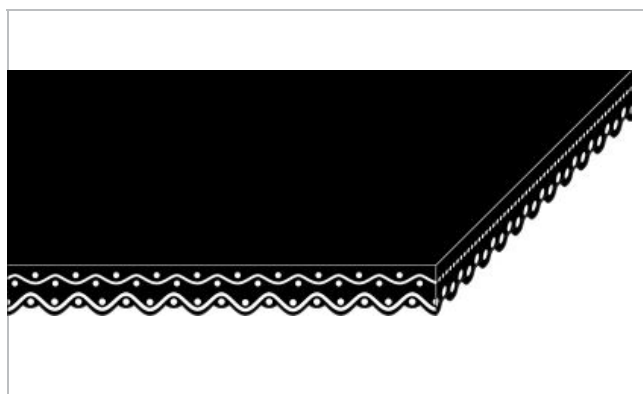
Non-wovens

Applications

Crosslapper belt

Special features

Abrasion resistant, Longitudinal flexibility, Low belt weight, High lateral stability



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)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes - fulfills EN 12882 / Categorie 1
Adhesive free joining method	Ja
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	1.00	mm	0.04 <i>tommer</i>
Mass of belt (belt weight)	1.0	kg/m ²	0.205 <i>lb/sqft</i>
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	5.5	N/mm	31 <i>lbf/in</i>
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	4.0	N/mm	23 <i>lbf/in</i>
Min. operating temperature admissible (continuous)	-10	°C	14 °F
Max. operating temperature admissible (continuous)	70	°C	158 °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)	0.15	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15	-	
Seamless manufacturing width	4000	mm	157.48 <i>tommer</i>

Joining related properties

Joining method	
Flexproof 20 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 20 x 80
Pulley diameter (minimum)	mm <i>tommer</i>	50 1.97
Pulley diameter minimum with counter flection	mm <i>tommer</i>	50 1.97
Admissible tensile force per unit of width	N/mm <i>lbf/in</i>	10 57
Admissible tensile force per unit of width at max. operating temperature	N/mm <i>lbf/in</i>	6.5 37
Slider bed suitable		Yes
Carrying rollers suitable		No
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (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, or if the belt working temperature is close to the limits listed in this document.

Chemical resistance

Link til informasjon om kemisk resistens <https://rims.habasit.com>

Mode of use or conveyance

Declined, Horizontal, Inclined

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)

A perfect tracking of the crosslapper belt after the installation is absolutely necessary otherwise the belt edges could get damaged, Do not use this belt on older and low speed machines, 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

Sub-Group

Del nummer

Cross Lapper Belts

TPU Cross Lapper Belts

H010102031

Ansvarsfraskrivelse

Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)

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