

Processing Belts

HIT/A/N380A

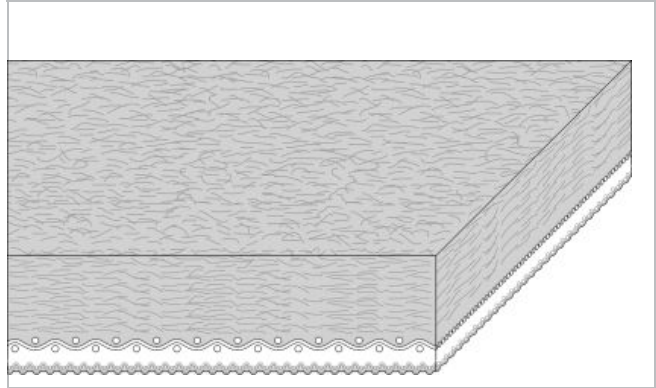
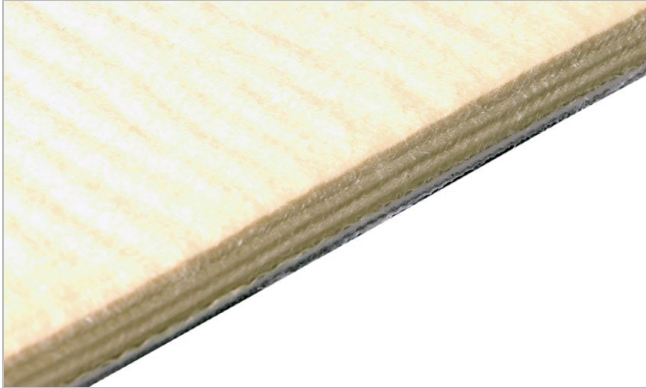


Main industry segments

Glass, Metal sheets and components

Applications

Merge belt



Product Construction / Design	
Conveying side material	Aramid fabric
Conveying side surface	Nonwoven (fleece) structure
Conveying side property	Non-adhesive
Conveying side color	Yellow
Traction layer (material)	Aramid fabric
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	White

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	Flame retardant
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	8.0	mm	0.32 inch
Mass of belt (belt weight)	3.2	kg/m ²	0.660 lb/sqft
Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	8.0	N/mm	46 lbf/in
Max. operating temperature admissible (continuous)	100	°C	212 °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)	0.20	-	
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	1422	mm	56.00 inch

Maximum allowable surface temperature: 427 degC (800 degF)

Joining related properties

Joining method	
Flexproof	Master joining method for standard applications
Mechanical joining	Optional joining method

[Link to JDS:](#)

Joining method		Flexproof	Mechanical joining
Pulley diameter (minimum)	mm inch	76 3.00	76 3.00
Pulley diameter minimum with counter flection	mm inch	152 6.00	152 6.00
Admissible tensile force per unit of width	N/mm lbf/in	20 115	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	5.8 33	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Powerturns / curved installations		Yes	No
Knife-edge (nosebar) suitable		No	No
Metal detector suitable		No	No

Maximum temperature of conveyed good when in contact with belt surface: up to 220 °C / 426 °F.

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

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%

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. 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)

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	Nonwoven Belts
Sub-Group	Hi-Temperature Belts
Item number	H25000007

Disclaimer

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