

# Processing Belts

## HIT/A/N500



### Main industry segments

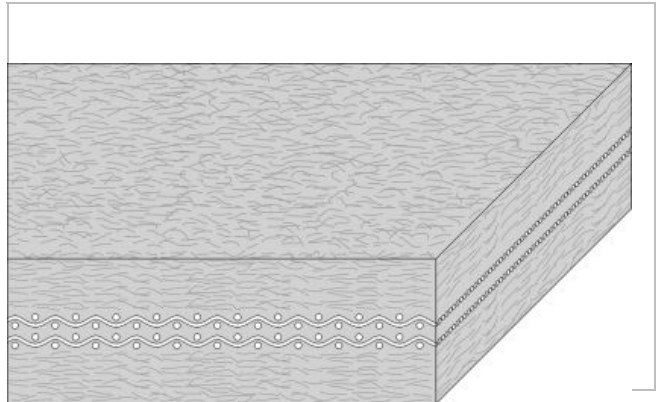
Glass, Metal sheets and components

### Applications

Metering/singulation belt

### Special features

High temperature resistant



Product Construction / Design	
Conveying side material	Aramid fabric
Conveying side surface	Buffed finish
Conveying side property	Non-adhesive
Conveying side color	Yellow
Traction layer (material)	Aramid fabric
Number of Fabrics	1
Pulley side material	Aramid fabric
Pulley side surface	Buffed finish
Pulley side property	Non-adhesive
Pulley side color	Yellow

Product characteristics	
Antistatically equipped	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

Technical data			
Thickness of belt	12.7	mm	0.50 inch
Mass of belt (belt weight)	3.2	kg/m <sup>2</sup>	0.660 lb/sqft
Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10	N/mm	59 lbf/in
Min. operating temperature admissible (continuous)	0	°C	32 °F
Max. operating temperature admissible (continuous)	427	°C	800 °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	1524	mm	60.00 inch

### Joining related properties

Joining method	
Mechanical joining	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Mechanical joining
Pulley diameter (minimum)	mm inch	76 3.00
Pulley diameter minimum with counter flection	mm inch	76 3.00
Admissible tensile force per unit of width	N/mm lbf/in	35 200
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		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.

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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

Install the slack belt and tension until running perfectly under the full belt load

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)

No danger and limitation

Group	Nonwoven Belts
Sub-Group	Hi-Temperature Belts
Item number	H250000014

### Disclaimer

#### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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