

# Processing Belts HIT/APA/4



Only for Habasit America

## Main industry segments

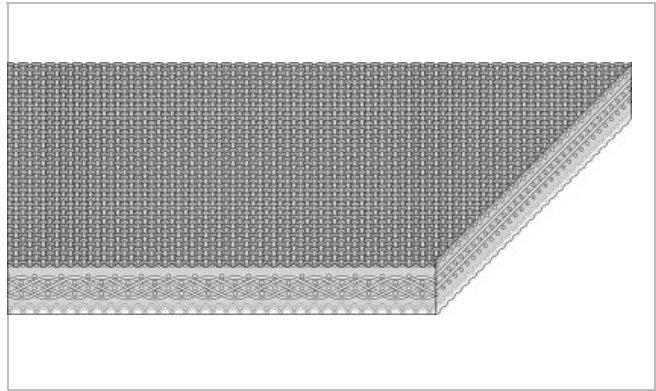
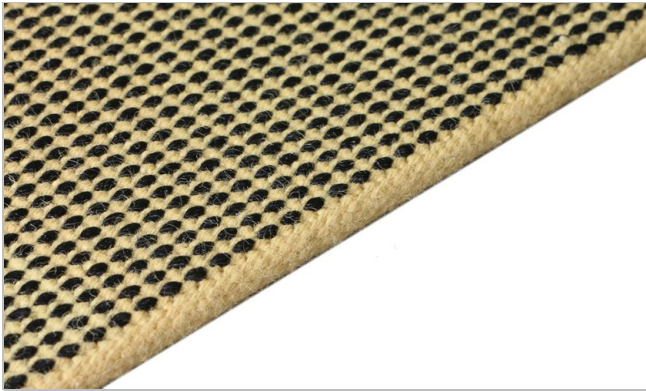
Glass, Metal sheets and components

## Applications

Heat shield/curtain, Ware guide/finger

## Special features

High temperature resistant



### Product Construction / Design

Conveying side material	Aramid fabric
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	Yellow
Traction layer (material)	Aramid fabric
Number of Fabrics	4
Pulley side material	Aramid / polyacrylnitrile (PAN) fabric
Pulley side surface	Fabric
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

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Technical data			
Thickness of belt	4.8 mm	0.19 inch	
Mass of belt (belt weight)	2.9 kg/m <sup>2</sup>	0.590 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	
Min. operating temperature admissible (continuous)	0 °C	32 °F	
Max. operating temperature admissible (continuous)	246 °C	475 °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	

Woven to width up to 60

### Joining related properties

Joining method	
Clipper #1	Master joining method for standard applications
Sewn Joint	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #1	Sewn Joint
Pulley diameter (minimum)	mm inch	76 3.00	76 3.00
Pulley diameter minimum with counter flection	mm inch	76 3.00	76 3.00
Admissible tensile force per unit of width	N/mm lbf/in	14 82	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		Yes	Yes
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Metal detector suitable		Yes	Yes

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	Woven Belts
Sub-Group	Hi-Temperature Belts
Item number	H250000028

### Disclaimer

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

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