

Machine Tapes

HNI-5PE



Main industry segments

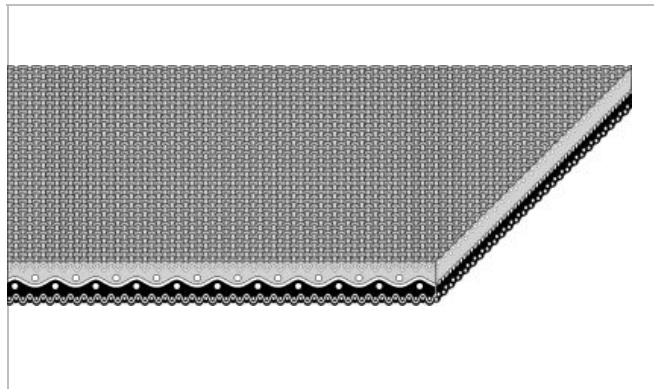
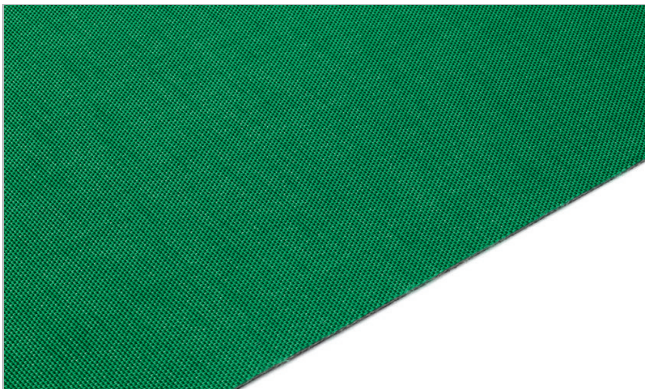
Paper manufacturing and processing, Paper printing and finishing

Applications

Folder belt, Machine tape, Paper handling belt, Processing belt

Special features

Easy release, Constant and gentle positive grip, High abrasion resistance, Non-marking



Product Construction / Design	
Conveying side material	Polyamide (PA)
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	Green
Traction layer (material)	Polyamide (PA)
Number of Fabrics	3
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	No
Food suitability, EU conformance	No
Food suitability, FDA conformance	No

Technical data		
Thickness of belt	0.90 mm	0.04 inch
Mass of belt (belt weight)	0.75 kg/m ²	0.154 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	3.4 N/mm	19 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	1.6 N/mm	9 lbf/in
Min. operating temperature admissible (continuous)	-30 °C	-22 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Seamless manufacturing width	1140 mm	44.88 inch

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

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Joining related properties

[Link to JDS:](#)

Joining method		Thermofix 75°
Pulley diameter (minimum)	mm <i>inch</i>	15 <i>0.59</i>
Pulley diameter minimum with counter flection	mm <i>inch</i>	15 <i>0.59</i>
Slider bed suitable		Yes
Carrying rollers suitable		No

Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Mode of use or conveyance

Horizontal, Inclined, Vertical

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) ~ 0.5%, 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)

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	Polyamide Machine Tapes
Sub-Group	-
Item number	H010100261

Disclaimer

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