

# Machine Tapes

## A-1



### Main industry segments

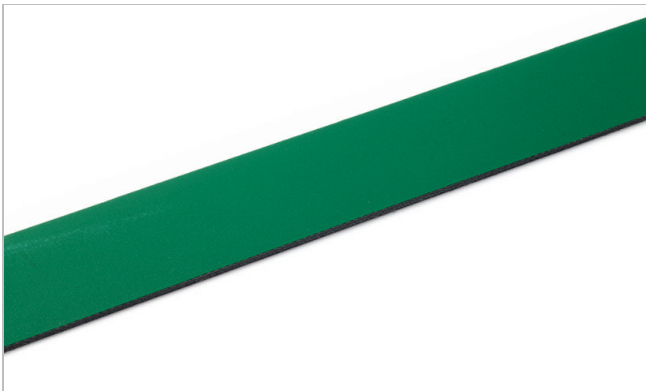
Paper manufacturing and processing, Paper printing and finishing

### Applications

Machine tape, Paper handling belt, Power transmission belt, Processing belt

### Special features

Abrasion resistant, Constant coefficient of friction, Forgiving in case of short term shock like overloads, Versatile



Product Construction / Design	
Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Matt
Conveying side property	Adhesive
Conveying side color	Green
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Smooth
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	1.20 mm	0.05 inch
Mass of belt (belt weight)	1.3 kg/m <sup>2</sup>	0.266 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	7.0 N/mm	40 lbf/in
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 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Seamless manufacturing width	1140 mm	44.88 inch

As power transmission belt application: Nominal peripheral force per unit of width = 10 N/mm / 57.1 lbs/in

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

### Joining related properties

[Link to JDS:](#)

Joining method		Thermofix 75°
Pulley diameter (minimum)	mm <i>inch</i>	40 1.57
Pulley diameter minimum with counter flection	mm <i>inch</i>	40 1.57
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No

### Chemical resistance

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

### Mode of use or conveyance

Declined, Horizontal, Inclined, Power transmission, 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%, Observe the indications of the machine handbook from the machine manufacturers

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)

Group	Polyamide Machine Tapes
Sub-Group	-
Item number	H010100467

### Disclaimer

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