

Machine Tapes

O-1



Main industry segments

Cardboard converting, Paper manufacturing and processing, Paper printing and finishing

Applications

Machine tape, Paper handling belt, Processing belt

Special features

Abrasion resistant, Constant and gentle positive grip, Constant coefficient of friction, Forgiving in case of short term shock like overloads, Non-marking, Oil resistant



Product Construction / Design	
Conveying side material	Polyamide (PA)
Conveying side surface	Nonwoven (fleece) structure
Conveying side property	Non-adhesive
Conveying side color	Light gray
Traction layer (material)	Polyamide (PA)
Number of Fabrics	1
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR)
Pulley side surface	Coarse textile structure
Pulley side property	Adhesive
Pulley side color	Green

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	2.9 mm	0.11 inch
Mass of belt (belt weight)	1.8 kg/m ²	0.369 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	8.0 N/mm	46 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	3.4 N/mm	19 lbf/in
Min. operating temperature admissible (continuous)	-20 °C	-4 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Seamless manufacturing width	1200 mm	47.24 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>	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, 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) ~ 0.3%, 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)

Group	Polyamide Machine Tapes
Sub-Group	-
Item number	H010100313

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