

# Machine Tapes

## MAB-02



### Main industry segments

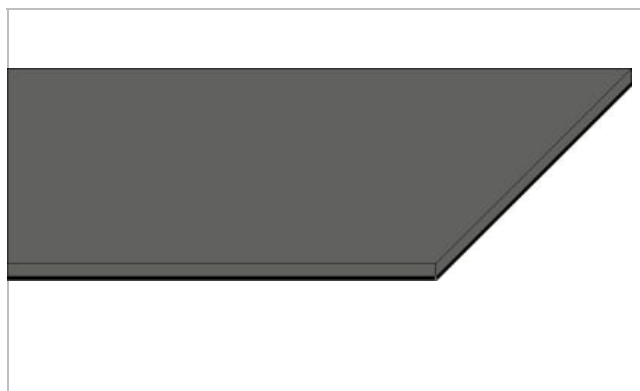
Distribution centers, Letter sorting, Paper printing and finishing

### Applications

Decline belt, Diverting belt, Incline belt, Machine tape, Packaging belt, Sorting belt, Weighing belt

### Special features

Abrasion resistant, Adhesive-free joint, Constant and gentle positive grip, Edges wear resistant, Elastic, Small pulley diameter suitable, Outstanding flex-fatigue



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Fine textile structure
Conveying side property	Medium-adhesive
Conveying side color	Green
Traction layer (material)	Thermoplastic polyurethane (TPU)
Number of Fabrics	0
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Fine textile structure
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	Yes
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 8% elongation (k8% static) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	1.4	N/mm	8 lbf/in
Tensile force for 8% elongation after relaxation (k8% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	1.0	N/mm	6 lbf/in
Min. operating temperature admissible (continuous)	-30	°C	-22 °F
Max. operating temperature admissible (continuous)	60	°C	140 °F
Seamless manufacturing width	1440	mm	56.69 inch

Used as a monolithic conveyor belt: Admissible elongation = 4 %; Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) = xy N/mm; Tensile force for 1% elongation after relaxation (k1%

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relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) =  $\gamma z$  N/mm; (see also the explanation in the section "Recommendation")

*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		Flexproof 8 x 30
Pulley diameter (minimum)	mm inch	15 0.59
Pulley diameter minimum with counter flection	mm inch	15 0.59
Slider bed suitable		Yes (only small belt load)
Carrying rollers suitable		Yes
Troughed installation suitable		Yes

### Chemical resistance

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

### Mode of use or conveyance

Declined, Horizontal, Inclined

### Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

### Recommendation

Elastic belt: Initial elongation depends on belt load and application, Elastic tapes can be used in a wide variety of applications. Their requirements and test standards change accordingly. If elastic machine tapes are used as monolithic conveyor belts, the admissible elongation is reduced and  $k1\%$  relaxed must be determined accordingly. See the corresponding values for this product in the remarks below the technical data. In the typical machine tape application in the Printing & Paper and Letter sorting industry the initial elongation is usually between 4% and 8%.

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.

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	TPU Machine Tapes
Sub-Group	-
Item number	H700001485

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