

# Machine Tapes

## MAB-4E



### Main industry segments

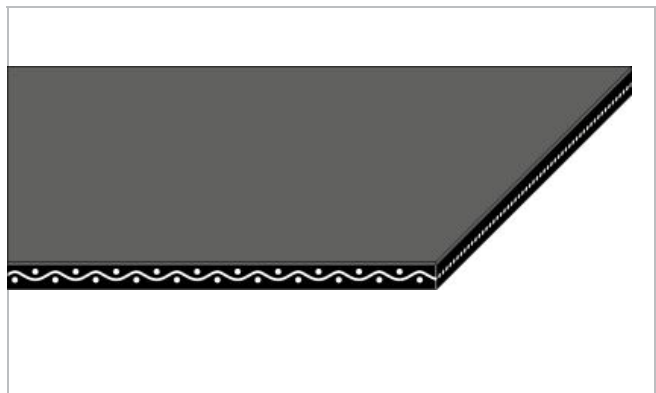
Letter sorting, Paper manufacturing and processing, Paper printing and finishing

### Applications

Letter transport belt, Machine tape, Mail handling / mail sorting belt, Paper handling belt

### Special features

Abrasion resistant, Adhesive-free joint, Constant and gentle positive grip, Dimensionally stable, Outstanding flex-fatigue



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Fine structure
Conveying side property	Adhesive
Conveying side color	Dark green
Traction layer (material)	Polyester (PET) fabric
Number of Fabrics	1
Pulley side material	Thermoplastic polyurethane (TPU)
Pulley side surface	Fine structure
Pulley side property	Adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	Yes
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended

Technical data		
Thickness of belt	1.25 mm	0.05 inch
Mass of belt (belt weight)	1.5 kg/m <sup>2</sup>	0.297 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	5.5 N/mm	31 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)	60 °C	140 °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		Flexproof 8 x 30
Pulley diameter (minimum)	mm <i>inch</i>	25 <i>0.98</i>
Pulley diameter minimum with counter flection	mm <i>inch</i>	25 <i>0.98</i>
Slider bed suitable		Yes
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, Twists, Twists with short center distance, 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

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	Hamid Machine Tapes
Sub-Group	-
Item number	H010100410

### Disclaimer

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