

Machine Tapes

MAB-05



Main industry segments

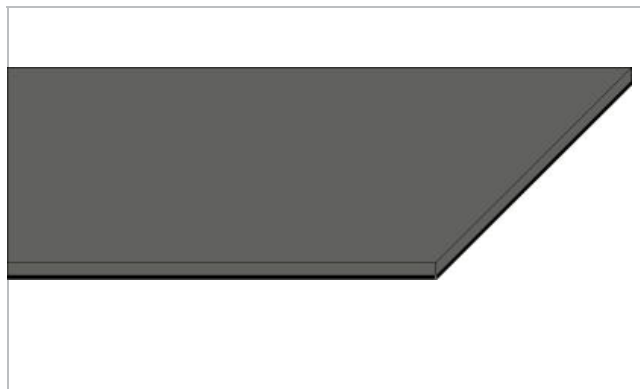
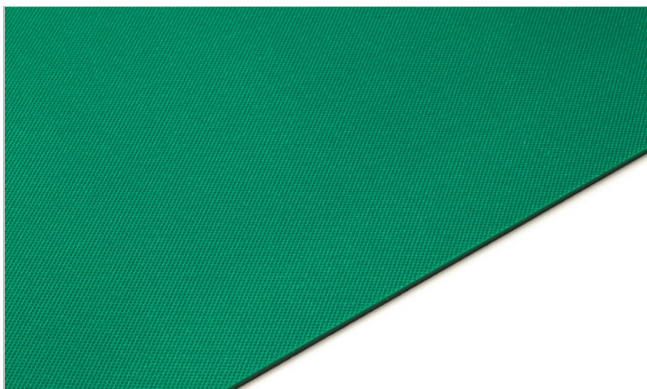
Letter sorting, Paper printing and finishing

Applications

Machine tape

Special features

Abrasion resistant, Adhesive-free joint, Constant and gentle positive grip, Elastic, 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	Medium-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	1.5 mm	0.06 inch
Mass of belt (belt weight)	1.6 kg/m ²	0.328 lb/sqft
Tensile force for 8% elongation (k8% static) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	3.3 N/mm	19 lbf/in
Tensile force for 8% elongation after relaxation (k8% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	2.4 N/mm	14 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

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>	15 <i>0.59</i>
Pulley diameter minimum with counter flection	mm <i>inch</i>	15 <i>0.59</i>
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

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!

Group	TPU Machine Tapes
Sub-Group	-
Item number	H700001486

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