

Machine Tapes

MAV-5E



Main industry segments

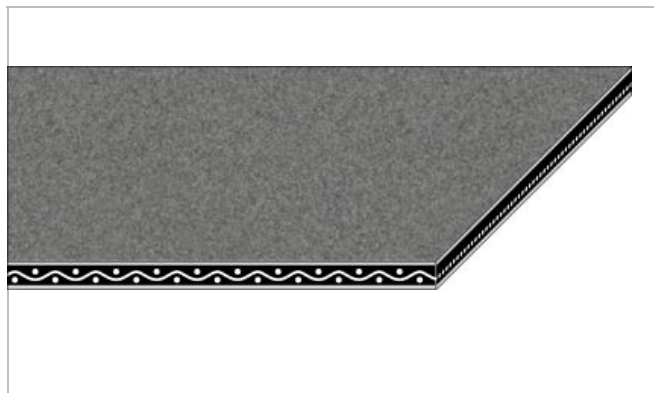
Letter sorting, Paper manufacturing and processing, Paper printing and finishing

Applications

Machine tape, Paper handling belt

Special features

Abrasion resistant, Adhesive-free joint, Constant and gentle positive grip, Dimensionally stable, Low noise applications suitable



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Orange peel
Conveying side property	Adhesive
Conveying side color	Light green
Traction layer (material)	Polyester (PET) fabric
Number of Fabrics	1
Pulley side material	Thermoplastic polyurethane (TPU)
Pulley side surface	Orange peel
Pulley side property	Adhesive
Pulley side color	Light green

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	1.45 mm	0.06 inch
Mass of belt (belt weight)	1.6 kg/m ²	0.328 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	5.0 N/mm	29 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		No

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	H800006879

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