Machine Tapes MAB-02



Main industry segments

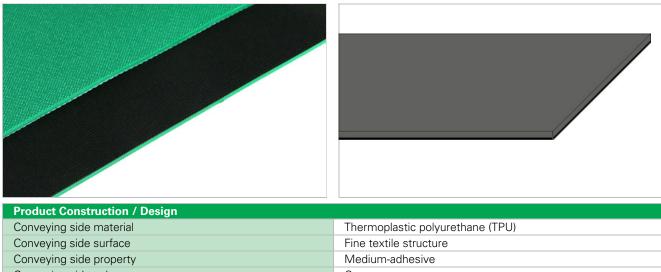
Distribution centers, Letter sorting, Paper printing and finishing

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



Conveying side surfaceFine textile structureConveying side propertyMedium-adhesiveConveying side colorGreenTraction layer (material)Thermoplastic polyurethane (TPU)Number of Fabrics0Pulley side materialPolyurethane cross-linked (PUR)Pulley side surfaceFine textile structurePulley side propertyNon-adhesivePulley side colorBlack	Conveying side material	Thermoplastic polyurethane (TPO)	
Conveying side colorGreenTraction layer (material)Thermoplastic polyurethane (TPU)Number of Fabrics0Pulley side materialPolyurethane cross-linked (PUR)Pulley side surfaceFine textile structurePulley side propertyNon-adhesive	Conveying side surface	Fine textile structure	
Traction layer (material)Thermoplastic polyurethane (TPU)Number of Fabrics0Pulley side materialPolyurethane cross-linked (PUR)Pulley side surfaceFine textile structurePulley side propertyNon-adhesive	Conveying side property	Medium-adhesive	
Number of Fabrics0Pulley side materialPolyurethane cross-linked (PUR)Pulley side surfaceFine textile structurePulley side propertyNon-adhesive	Conveying side color	Green	
Pulley side materialPolyurethane cross-linked (PUR)Pulley side surfaceFine textile structurePulley side propertyNon-adhesive	Traction layer (material)	Thermoplastic polyurethane (TPU)	
Pulley side surface Fine textile structure Pulley side property Non-adhesive	Number of Fabrics	0	
Pulley side property Non-adhesive	Pulley side material	Polyurethane cross-linked (PUR)	
	Pulley side surface	Fine textile structure	
Pulley side color Black	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/m²	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 = 5 %; 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% static) per unit of width (k1% static) per unit of width

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relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) = yz 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	15		
	inch	0.59		
Pulley diameter minimum with	mm	15		
counter flection	inch	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%.

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!

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 Sub-Group Item number TPU Machine Tapes -H700001485

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