

Product Data Sheet

MAB-05



Your Source For Habasit
Belting And Chain

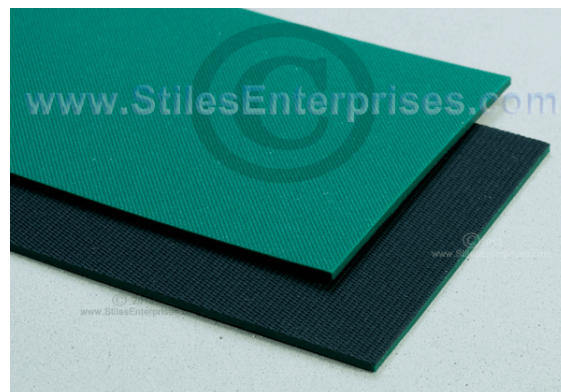
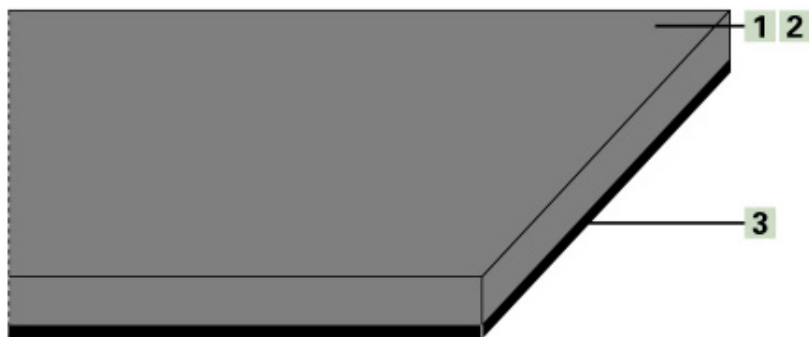
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Product Designation

Product Group:	Polyurethane machine tapes
Main Industry Segments:	Paper and cardboard converting; Paper printing and finishing; Postal/mail sorting
Belt Applications:	Machine tape
Special Features:	Elastic
Mode of Use/Conveyance:	Declined; Horizontal; Inclined

Product Design (enlarged)



Product Construction/Design

1 Conveying Side (Material):	Thermoplastic polyurethane (TPU)
1 Conveying Side (Surface):	Fine textile structure
1 Conveying Side (Property):	Medium-adhesive
1 Conveying Side (Color):	Green
2 Traction Layer (Material):	Thermoplastic polyurethane (TPU)
Number of Fabrics:	
3 Running Side/Pulley Side (Material):	Polyurethane cross-linked (PUR)
3 Running Side/Pulley Side (Surface):	Fine textile structure
3 Running Side/Pulley Side Property:	
3 Running Side/Pulley Side (Color):	Black

Product Characteristics

Slider bed suitable:	Yes (with small belt load only)
Carrying rollers suitable:	Yes
Troughed installation suitable:	Yes
Antistatically equipped:	Yes

Technical Data

Thickness:	1.5 mm	0.06 in.
Mass of belt (belt weight):	1.6 kg/m ²	0.33 lbs./sq.ft
Pulley diameter (minimum):	15 mm	0.6 in.
Pulley diameter minimum with counter flexion:	15 mm	0.6 in.
Tensile force for 8% elongation (k8% static) per unit of width (Habasit standard SOP3-063):	3.3 N/mm	19 lbs./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 lbs./in.
Operating temperature admissible (continuous):	Min -30 °C Max 60 °C	Min -22 °F Max 140 °F
Coefficient of friction of driving pulley of steel:	0.4 [-]	0.4 [-]
Seamless manufacturing width:	1440 mm	57 in.

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554), and are based on the Master Joining Method.

Additional Technical Information

Chemical Resistance Class:	2 (These indications are not guarantees of properties)
Installation and Handling Instructions:	Elastic belt: Initial elongation depends on belt load and application.
Limitations:	Do not force belt on pulleys; This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 94/9) and therefore is subject to user's analysis in the respective environment.

Storage

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.

Legend

*	No calculation Value
2)	Product containing different coating materials such as elastomer, natural fibers, silicones, etc., are not subject to the directive 2002/72/EC
3)	CLA: Coordination of the centre line-average value Ra (in the US also Arithmetical Average (AA)) to the maximum peak to valley height Rt for surfaces manufactured by chip removal.
8)	Due to high coefficient of friction of running/pulley side, the suitability for use on slider beds is limited
	German federal institute for risk assessment (Bundesinstitut fuer Risikobewertung)
EEC	European Economic Community
EU	European Union (Directive 2002/72/EC)
FDA	Food and Drug Administration
NA	Not available
NAP	Not applicable
USDA	United States Department of Agriculture (Food Safety and Inspection Service, Washington D.C.)

Product Liability, Application Considerations

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