

Processing Belts

PMARKLNG-BE



Main industry segments

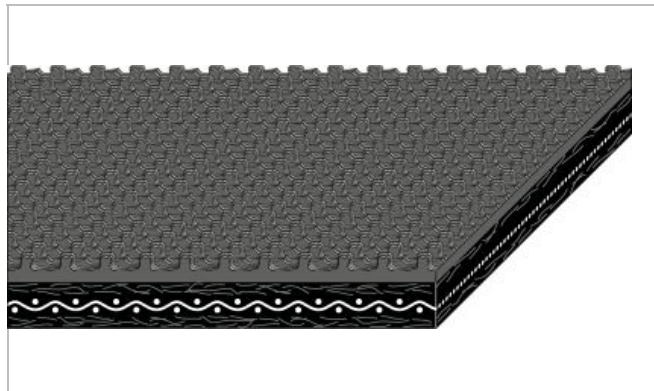
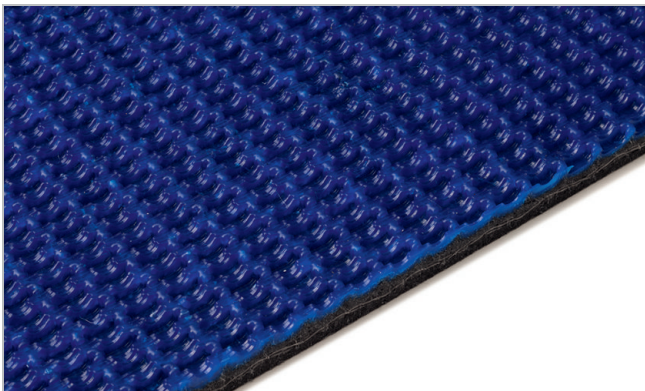
Cardboard converting, Cardboard manufacturing, Solid wood, Wood panel and boards

Applications

Decline belt, Incline belt, Sanding / grinding operations, Transfer belt

Special features

Abrasion resistant, Good lace retention, Low friction running side, No delamination, Oil resistant, Wear resistant



Product Construction / Design	
Conveying side material	Thermoplastic Alloy
Conveying side surface	Rough structure
Conveying side property	Medium-adhesive
Conveying side color	Blue
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Nonwoven (fleece)
Pulley side surface	Buffed finish
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data		
Thickness of belt	7.6 mm	0.30 inch
Mass of belt (belt weight)	6.8 kg/m ²	1.400 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	22 N/mm	128 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	8.3 N/mm	47 lbf/in
Min. operating temperature admissible (continuous)	-12 °C	10 °F
Max. operating temperature admissible (continuous)	100 °C	212 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.25 -	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.20 -	
Coefficient of friction (pulley side / stainless steel slider bed)	0.20 -	
Seamless manufacturing width	1829 mm	72.00 inch

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications
Clipper #1	Optional joining method
Hidden Flex 10 x 80	Optional joining method

[Link to JDS:](#)

Joining method		Flexproof 10 x 80	Clipper #1	Hidden Flex 10 x 80
Pulley diameter (minimum)	mm inch	51 2.00	51 2.00	51 2.00
Pulley diameter minimum with counter flection	mm inch	79 3.10	79 3.10	79 3.10
Admissible tensile force per unit of width	N/mm lbf/in		14 82	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in		11 60	
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes
Troughed installation suitable		No	No	No
Powerturns / curved installations		No	No	No
Knife-edge (nosebar) suitable		No	No	No
Low noise applications		Yes	Yes	Yes
Metal detector suitable		No	No	No

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Mode of use or conveyance

Carrying roller, Declined, Horizontal, Inclined, Slider bed

Recommendation

Group	Nonwoven Belts
Sub-Group	Polymate Nonwoven Belts
Item number	H250000409

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