

Processing Belts

PMAKLNG-BR



Main industry segments

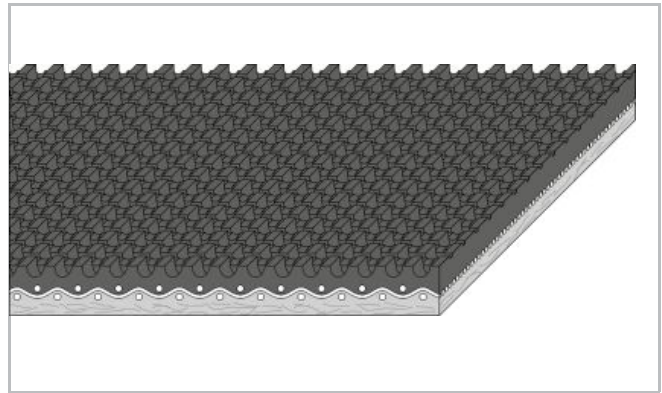
Automotive general, Cardboard box manufacturing, Conveyors systems, Materials Handling, Unit handling

Applications

Acceleration belt, Decline belt, Incline belt, Induction belt

Special features

Bi-directional suitable, Crowned or flanged pulley suitable, Dimensionally stable, Good edge wear resistance, Good lace retention, High grip surface, Low friction running side, No delamination, Non-marking, Oils and fats resistant, Quiet running, Spiral lift suitable



Product Construction / Design	
Conveying side material	Thermoplastic Alloy
Conveying side surface	Rough top
Conveying side property	Adhesive
Conveying side color	Brown
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Nonwoven (fleece)
Pulley side surface	Impregnated fleece
Pulley side property	Non-adhesive
Pulley side color	Brown

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

Processing Belts PMAKLNGBR



Technical data			
Thickness of belt	7.1 mm	0.28 inch	
Mass of belt (belt weight)	4.4 kg/m ²	0.900 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155):	25 N/mm	140 lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	9.4 N/mm	54 lbf/in	
Min. operating temperature admissible (continuous)	-23 °C	-10 °F	
Max. operating temperature admissible (continuous)	82 °C	180 °F	
Coefficient of friction (running side / steel driving pulley)	0.25	-	
Coefficient of friction (running side / driving pulley with friction cover)	0.35	-	
Coefficient of friction (running side / pickled steel slider bed)	0.30	-	
Coefficient of friction (running side / phenolic resin slider bed)	0.25	-	
Coefficient of friction (running side / stainless steel slider bed)	0.25	-	
Seamless manufacturing width	1829 mm	72 inch	
On request other seamless manufacturing width	1524 mm	60 inch	

Joining related properties

Link to JDS:

<http://pdchmp04.habasit.com/HNET/fabren.nsf/vwGetJDS?OpenView&productCode=PMAKLNGBR>

Joining method	Unit	Flexproof 20 x 80	Clipper #2	Hidden Flex
Pulley diameter (minimum)	mm inch	76 3.00	76 3.00	76 3.00
Pulley diameter minimum with counter flecion	mm inch	102 4.00	102 4.00	102 4.00
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	7.7 44		
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes
Troughed installation suitable		No	No	No
Power turns / curved installations		No	No	No
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).

Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

Mode of use or conveyance

Acceleration, Declined, Inclined

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

Install the slack belt and tension until running perfectly under the full belt load

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit

Group	Nonwoven Belts
Sub-Group	Polymate Nonwoven Belts
Item number	H250000407
Customs tariff number	59111000

Disclaimer

Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice.

EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.