

Light Conveyor Belts

SNB-18E 07 NVT-8054



Main industry segments

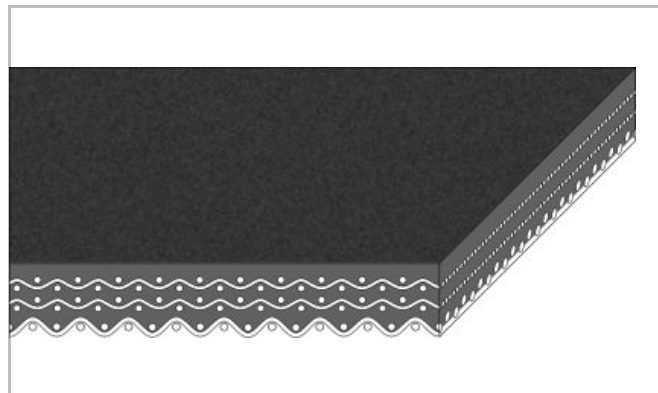
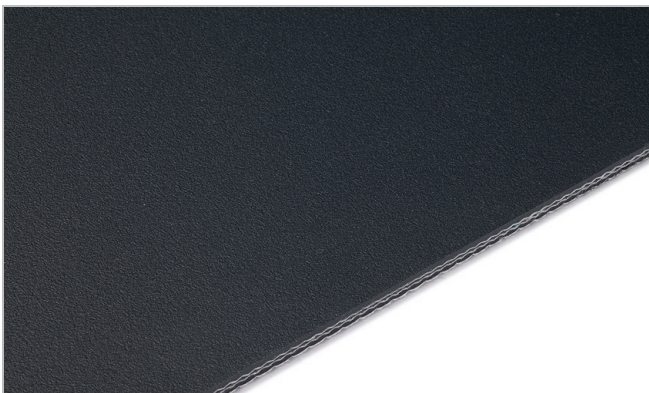
Board manufacturing, Distribution centers, Materials Handling, Parcel sorting, Postal/mail sorting

Applications

Bunker belt, General conveying belt, Line belt, Transfer belt

Special features

Damping behavior



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Sand finish
Conveying side property	Non-adhesive
Conveying side color	Anthracite
Traction layer (material)	Polyester (PET)
Number of Fabrics	3
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Off-white

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	Yes
Flammability	Classified according to UL 94HB (USA); HB= Horizontal Burning
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

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Technical data		
Thickness of belt	3.3 mm	0.13 inch
Mass of belt (belt weight)	3.9 kg/m ²	0.799 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	18 N/mm	103 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	14 N/mm	80 lbf/in
Min. operating temperature admissible (continuous)	-5 °C	23 °F
Max. operating temperature admissible (continuous)	70 °C	158 °F
Coefficient of friction (running side / steel driving pulley)	0.15 -	
Coefficient of friction (running side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (running side / pickled steel slider bed)	0.20 -	
Coefficient of friction (running side / phenolic resin slider bed)	0.15 -	
Coefficient of friction (running side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	3200 mm	126 inch

Joining related properties

[Link to JDS:](#)

Joining method	Unit	Flexproof 10 x 80
Pulley diameter (minimum)	mm	80
	inch	3.15
Pulley diameter minimum with counter flecion	mm	100
	inch	3.94
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Power turns / curved installations		No
Nosebar suitable		No
Low noise applications		Yes
Metal detector suitable		No

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

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Chemical resistance

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

Mode of use or conveyance

Horizontal

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

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

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

Group	PVC Belts
Sub-Group	Premium Line Belts
Item number	H100066340
Customs tariff number	39219090

Disclaimer

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