

Light Conveyor Belts NSL-7EEBV



Main industry segments

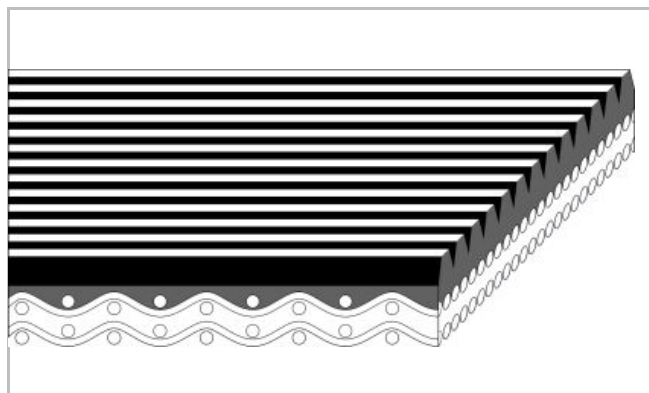
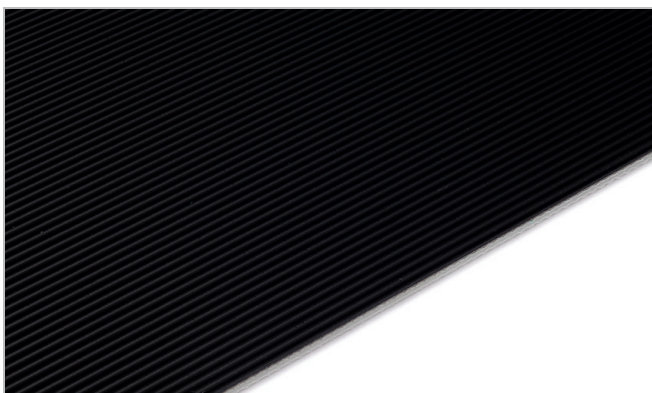
Distribution centers

Applications

Acceleration belt, Decline belt, Feeder belt, Incline belt, Induction belt, Sorting belt

Special features

High coefficient of friction surface



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Longitudinal groove structure
Conveying side property	Super-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	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	2.5 mm	0.10 inch
Mass of belt (belt weight)	2.5 kg/m ²	0.512 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	10 N/mm	57 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	6.5 N/mm	37 lbf/in
Min. operating temperature admissible (continuous)	-10 °C	14 °F
Max. operating temperature admissible (continuous)	60 °C	140 °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)	0.25 -	
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	3000 mm	118 inch

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	20 0.79
Pulley diameter minimum with counter flection	mm inch	30 1.18
Admissible tensile force per unit of width	N/mm lbf/in	14 80
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	11 63
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		Yes

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, Inclined

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	General Purpose Conveyor Belts
Item number	H100066109

Disclaimer

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