

Light Conveyor Belts NSW-5ELAV



Main industry segments

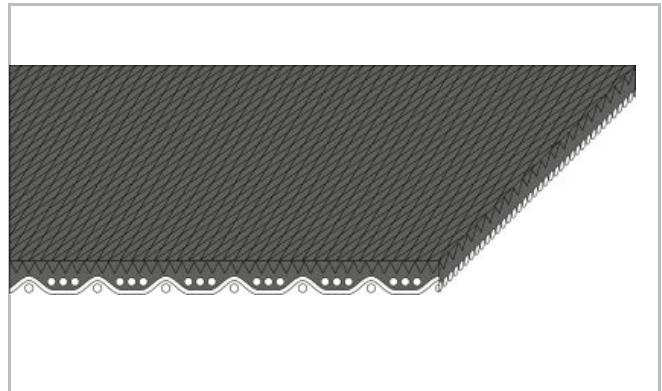
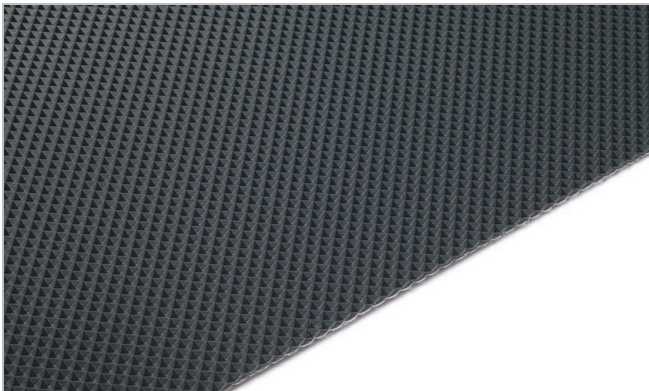
Airport, Distribution centers

Applications

Acceleration belt, Induction belt, Sorting belt

Special features

Antistatic, Longitudinal flexibility



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Waffle structure
Conveying side property	Super-adhesive
Conveying side color	Anthracite
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Gray

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

Light Conveyor Belts

NSW-5ELAV



Technical data		
Thickness of belt	1.30 mm	0.05 inch
Mass of belt (belt weight)	1.3 kg/m ²	0.266 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	5.0 N/mm	29 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	3.2 N/mm	18 lbf/in
Min. operating temperature admissible (continuous)	-10 °C	14 °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)	0.25 -	
Coefficient of friction (running side / phenolic resin slider bed)	0.20 -	
Coefficient of friction (running side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	3000 mm	118 inch

Joining related properties

Joining method	
Flexproof 20 x 80	Master joining method for standard applications
Flexproof 10 x 80	Master joining method for high stress applications or belt widths < 100 mm / 4 in

[Link to JDS:](#)

Joining method		Flexproof 20 x 80	Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	20 0.79	20 0.79
Pulley diameter minimum with counter flection	mm inch	40 1.57	40 1.57
Admissible tensile force per unit of width	N/mm lbf/in	3.2 18	4.8 27
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	2.0 11	3.0 17
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Power turns / curved installations		No	No
Nosebar suitable		No	No
Low noise applications		No	No
Metal detector suitable		Yes	Yes

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

Declined, 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%

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	H100066484

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